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62167

Peter Henderson & Co.

CATALOGUE of
CAULIFLOWER,
CABBAGE



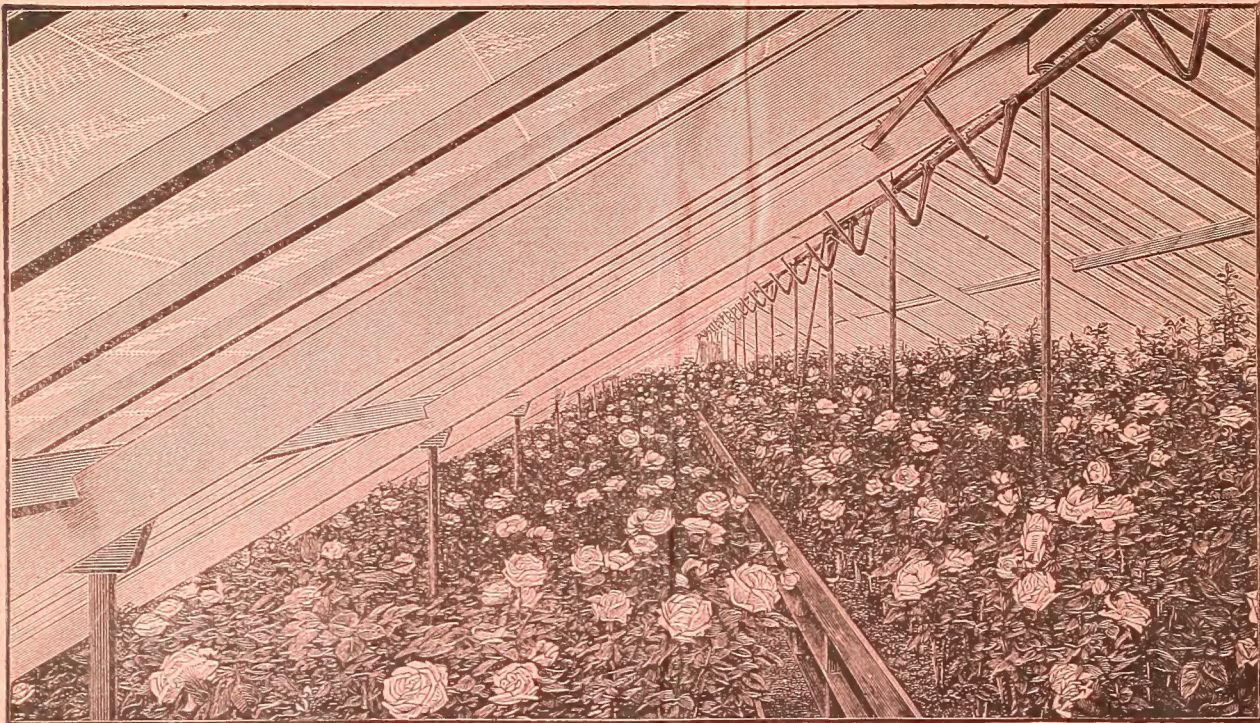
Celery & Strawberry
Plants.



1893.

35 & 37 CORTLANDT ST.

NEW YORK.



❖ Winter Flowering Roses. ❖

If planted now will give fine results next winter. We classify them in three sizes, the *first size* is growing in 5 in. pots, the *second* in 4 in. pots, and the *third* in 3 in. pots.

MONTHLY TEA ROSES.

Madame Hoste. Pale lemon yellow. A wonderfully prolific bearer and free grower. 2d Size, 30c. each; \$3.00 per doz.; \$18.00 per 100. 3rd Size, 15c. each; \$1.50 per doz.; \$10.00 per 100.

Perle des Jardins. Deep yellow, the best in its color, and doubtless the most popular Rose on the market. 2d Size, 30c. each; \$3.00 per doz. 3d Size, 15c. each; \$1.50 per doz.; \$10.00 per 100.

Mad Cusin. Violet rose when at its best, lighter shade towards the base of the petals, a very pretty variety. 2d Size, 30c. each; \$3.00 per doz.; \$18.00 per 100. 3rd Size, 15c. each; \$1.50 per doz.; \$10.00 per 100.

Souvenir d'un Ami. Light pink, a very free blooming and attractive variety. 2d Size, 30c. each; \$3.00 per doz.; \$18.00 per 100.

The Bride. A grand white winter flowering rose. Form all that could be desired and very free flowering, tea-fragrance. 1st Size, 50c. each; \$5.00 per doz. 2d Size, 30c. each; \$3.00 per doz.; \$18.00 per 100. 3rd Size, 15c. each; \$1.50 per doz.; \$10.00 per 100.

Madame de Watteville. Beautiful shell pink, deepening to bright rose at the edge of the petals, the body of the flower being creamy white. 2d Size, 30c. each; \$3.00 per doz.; \$18.00 per 100. 3rd Size, 15c. each; \$1.50 per doz.; \$10.00 per 100.

Catherine Mermet. One of the most fashionable roses for cut flowers, color clear rosy pink, very large, pointed buds full, double and fragrant. 2d Size, 30c. each; \$3.00 per doz. 3rd Size, 15c. each; \$1.50 per doz.; \$10.00 per 100.

Empress Augusta Victoria. A grand rose for winter flowering, pure white, large, perfect buds and flowers. 2d Size, 50c. each; \$4.50 per doz.

Bon Silene. Beautiful carmine, an old favorite. 2d Size, 30c. each; \$3.00 per doz.

HYBRID PERPETUAL ROSES.

Magna Charta. This is the easiest of the Hybrid Perpetual Roses to force during winter. It blooms under the most unfavorable conditions. The color is a deep pink, large and full, a grand Rose. Our stock of this has been specially grown for our own forcing, so that the most ordinary care will result in a good crop of flowers. Price, 3 year old plants, \$1.00 each; \$9.00 per doz. 2 year plants, 50c. each; \$4.50 per doz.

American Beauty. The grandest of all roses for winter blooming. The flowers frequently measure from four to six inches across and sell at from 50c. to \$1.50 each during the winter season. The color is exquisite, a deep brilliant rose. The fragrance is superb, surpassing every other winter flowering variety. 2d Size, 50c. each; \$5.00 per doz. 3d Size, 25c. each; \$2.25 per doz.; \$16.00 per 100.

HYBRID TEA ROSES.

Duchess of Albany. Deep rose, known also as red "La France." 3rd Size, 15c. each; \$1.50 per doz.; \$10.00 per 100.

La France. A large and beautiful Rose. Color peach-blossom pink shaded silvery rose. 2d Size, 30c. each; \$3.00 per doz. 3d Size, 15c. each; \$1.50 per doz.; \$10.00 per 100.

Souvenir de Wootton. Deep carmine red, deliciously fragrant, a constant and most prolific bloomer. 1st Size, 50c. each; \$5.00 per doz. 3rd Size, 15c. each; \$1.50 per doz.; \$10.00 per 100.

Augustine Guinnoisseau. (White La France.) A splendid variety similar in all respect to "La France," except color which is a very pretty shade of flesh white. 3rd Size, 15c. each; \$1.50 per doz.; \$12.00 per 100.

IMPORTANT.

By a recent ruling of the Express Companies, **Strawberry and Vegetable** plants packed in the usual manner will now be carried at a reduced rate all over the country, this reduction will make the charges at least twenty per cent. less than heretofore. We have always advised sending plants by express and can now do so with more confidence than ever.

POT
GROWN.

STRAWBERRY PLANTS.

POT
GROWN.

(Supplied from about July 15th on —)



**OUR "POT GROWN" STRAWBERRY
PLANTS BEAR FULL CROPS
NEXT SPRING.**

We grow our strawberry plants in pots, they are much superior to the ordinary ground layers usually sold, as there is no loss of fine roots in taking them up, and they can be shipped safely to distant parts of the United States and Canada, and be transplanted at any season, and it scarcely checks their growth; consequently, if planted before the 1st of September, they will grow into large plants and bear a full crop of berries next spring, being a clear gain of a year over "ground layers," which is certainly worth more than the slight difference in first cost.

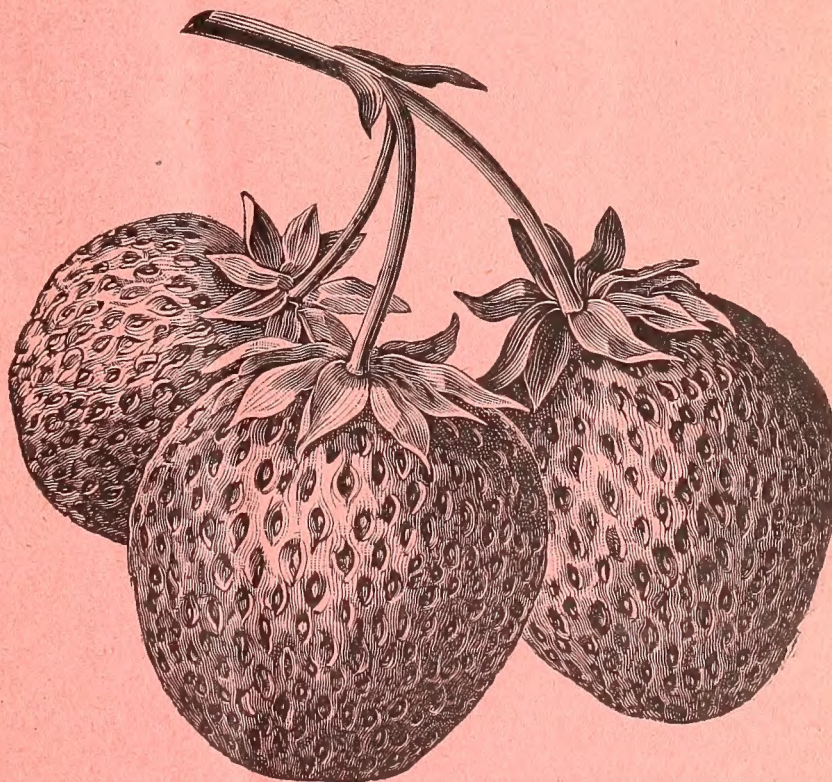
The blossoms of all varieties are either bi-sexual (*perfect flowering*) or are destitute of stamens and are termed pistillate or (*imperfect flowering*.) Pistillate varieties must have a row of a perfect-flowered sort, planted every nine or twelve feet apart among them, or, better yet, every third or fourth plant in the row, to pollenize their blossoms. When properly fertilized the pistillate varieties are the most prolific.

NOVELTIES IN STRAWBERRIES.

BEVERLY.

(Bi-Sexual: Mid-season to late.)

A new and grand medium to late berry that has proved to be a valuable acquisition. The fruit is perfection in shape and color and of very superior flavor, resembling that of the wild strawberry. Berry large, conical bright varnished crimson, colors all over, flesh pink and of fine texture. Plant very vigorous, upright and healthy; and it remains in bearing from early in June until the latter part of July. The berries being remarkably large to the end of the season; and for productiveness it is not equalled—as a market berry it is unrivalled, sells on sight and customers want this variety in preference to all others. All strawberry specialists and authorities think highly of it and predict for it a great future. It has received four prizes from the Massachusetts Horticultural Society within 13 months. (See cut.) **Price,** (*pot grown plants*), \$1.00 per doz.; \$6.00 per 100.

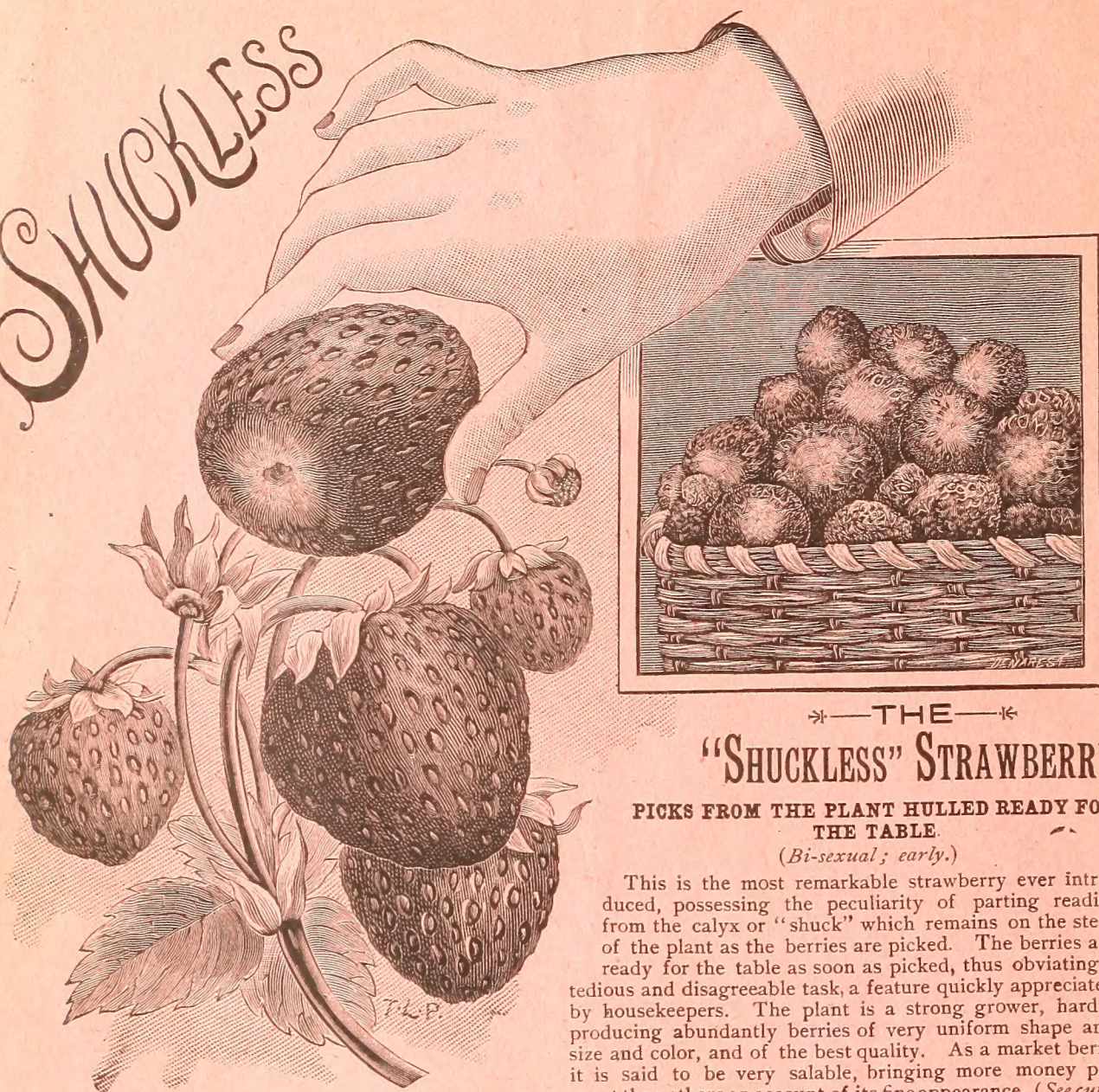


NEW STRAWBERRY, BEVERLY.

Mr. M. Crawford, says:—I am greatly pleased with this variety, Beverly. Last July I set out 50 potted plants, they made a splendid growth last fall, are free from rust. The berry is of large size, regular form, color dark and rich, quite firm and of a most agreeable flavor, I consider it the best of the large productive kind, and I am not surprised that the originator sold the fruit this season at 25 cts. per quart wholesale. All reports are favorable.

If Strawberry Plants are wanted by mail, add for postage 10c. per doz.; or 75c. per 100.

SHUCKLESS



—THE— "SHUCKLESS" STRAWBERRY

PICKS FROM THE PLANT HULLED READY FOR
THE TABLE.

(*Bi-sexual; early.*)

This is the most remarkable strawberry ever introduced, possessing the peculiarity of parting readily from the calyx or "shuck" which remains on the stem of the plant as the berries are picked. The berries are ready for the table as soon as picked, thus obviating a tedious and disagreeable task, a feature quickly appreciated by housekeepers. The plant is a strong grower, hardy, producing abundantly berries of very uniform shape and size and color, and of the best quality. As a market berry it is said to be very salable, bringing more money per quart than others on account of its fine appearance. (*See cut.*)

Price, (*pot-grown plants*), 25c. each; 3 for 60c.; 6 for \$1.25; 12 for \$2.00; 100 for \$15.00.

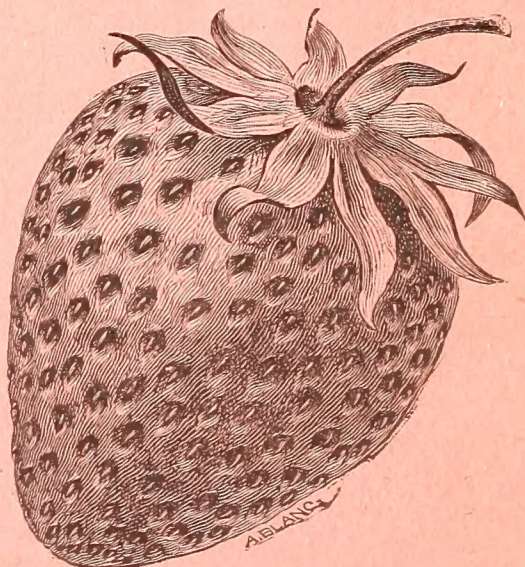
LOVETT'S EARLY.

(*Bi-sexual: Extra early to Midseason.*)

On poor soil and without fertilizer, it has given results surpassing all others by far, responding to good soil and culture as generously as any variety we know. In earliness it is second only to the "Crystal City," and that little extra early sort being only two or three days in advance. In productiveness it excels all other varieties we have ever fruited, succeeding everywhere, even upon poor, light land. We do not claim for it mammoth size, but it is above the average, averaging large and uniform, holding its size to the close of the season better than other varieties. The berries color all over at once. It gave us ripe fruit on May 22d, and continued until the close of the season. At a single picking it does not give as much fruit as some varieties that go quickly, but from first to last we have never seen a strawberry yield so much fruit. The agricultural papers and State Experiment Stations all speak highly of it. *See cut.* Price, (*pot-grown plants*), 60c. per doz.; \$4.00 per 100.

Matthew Crawford (July report), says: *No one will make a mistake in planting this variety, it seems to succeed everywhere, and is more remarkable for its many good points than for any one prominent characteristic.*

If Strawberry Plants are wanted by mail, add for postage 10c. per doz.; or 75c. per 100.



LOVETT'S EARLY.

EUREKA.—The Beautiful.

(*Pistillate. Midseason to late.*)

"You will find this the most beautiful berry you ever saw." Comparatively new and therefore not an experiment but a grand success; a berry of great beauty, averaging extremely large and bountifully prolific; color varnished scarlet and of splendid quality. It commences to ripen with the mid-season varieties and continues to bear until very late. It has been extensively tested by prominent horticulturists and at State Experiment stations and all endorse it with the most flattering reports.

To test its fruiting capacity in the matted row system plants were placed as close as they would grow; the resulting crop of berries were produced in such heaps and piles that many people came to see the wonderful sight.

Plants are vigorous; will stand heat and drought well. (See cut.)

Price, (*pot grown plants*.)
75 cts. per
doz.; \$5.00
per 100.

CANDY'S PRIZE.

(*Bi-Sexual: late.*)

The best *late* strawberry ever introduced. Although comparatively new its great merits have been quickly recognized by fruit growers all over the country as the choicest late sort. The fruits are uniformly large and perfect in form or firm; color bright crimson and glossy as if varnished; it has a large bright green calyx which greatly adds to the beauty and the quality is all that can be desired, giving out a most delightful aroma suggestive of both strawberries and peaches. It ripens from *late* to *very late*. The plants are very vigorous growers. In well fertilized soil this berry is a

big yielder.

Price, (*pot grown plants*.) 60 cts. per
doz.; \$4.00 per 100.



Shuster's Gem.

(*Pistillate: early to late.*)

This remarkably successful new Strawberry has proven equally fine with all who have grown it, and is esteemed of greater value each year as it ripens. The berries are large to very large, of globular mould, remarkably regular and uniform in size and shape, of excellent quality, quite firm, and of the most vivid scarlet imaginable—the fruit as seen among the foliage reminding one of glowing embers. It ripens early to mid-season, holding on late and maintaining a good size to the end. Its cardinal virtues are, however, strong robust plants, *great beauty, large size and wonderful productiveness*, rendering it a most profitable variety for market and equally desirable for the home garden. We have great confidence in the Shuster, it has such pronounced characteristics that it can hardly fail to adapt itself to almost any soil or treatment. It will not need potting of any kind. No need to ask whether it prefers sandy or clay soil; it will grow just where planted if any variety will.

Price, (*pot grown plants*.) 60 cts. per doz.; \$4.00 per 100.

Dr. Stayman's Wonderful (No.1.)

(*Pistillate: late.*)

The new Strawberry is most remarkable for strong luxuriant growth, frequently sending out runners 4 to 5 feet. The fruit stalks are heavy and tall, sometimes attaining a height of 12 to 14 inches, holding the berries up better than any other variety we know of. A plant frequently produces 12 to 15 stalks of fruit averaging 100 to 150 berries to the plant. In vigor of growth and productiveness it is simply wonderful. In the grounds of the originator it produces fully double the quantity of any of the many varieties he has growing under the same conditions.

The berries are very large, mostly lobed, brightest scarlet, dry and very solid. It fruits late and comes into bloom after all others, when all danger of frost is over.

Price, (*pot grown plants*.) 75 cts. per doz.; \$5.00 per 100.

EUREKA
THE BEAUTIFUL.

NEW PRINCESS STRAWBERRY.

(Pistillate: Midseason.)

18 Berries to a Quart.

Named by the Minnesota Horticultural Society, (in whose state it originated) and at the same time it took first prize over fifteen other new seedlings. It has invariably taken prizes wherever exhibited. In Mr. Kramer's, the originator's grounds, a strip 33 ft. long by 5 ft. wide, when visited by the State Experiment Station's representatives yielded at that picking 61 quarts, and by actual count three of these quarts contained 18, 20 and 22 berries respectively. At the next picking this same strip yielded 25 quarts, and this record was by no means the best. This new seedling "Princess," is one of the best strawberries that has ever come to our notice. The plants are hardy, vigorous and enormously productive. It roots deep and stands drought well. The berries average very large some having been produced over 6 inches in circumference. It is uniformly perfect in form, ripens all over at once and holds up its size well to the end of the season, and its quality is excellent. It is certain to be one of the best market varieties ever introduced, its strong points being wonderful productiveness, enormous size and attractive appearance.—(See cut.) Price, (pot-grown plants), 75c. per doz.; \$5.00 per 100.

In M. Crawford's July 1892 report, he says:—"Princess, another year's experience convinces me that this is one of our most valuable varieties. It is enormously productive and very large. I doubt if there is a better sort in the country."

The Editor of the "STRAWBERRY CULTURIST" April 1893 issue, writes:—"Of the new varieties, none seem so universally popular as the Princess. I picked last spring from young plants of this variety, berries that were so large, that 25 to 30 would fill a quart basket. This berry will prove a valuable addition."

NEW
PRINCESS.

YALE.

(Bi-sexual: Very late.)

A very late variety of great merit. plant vigorous, a heavy bearer, fruit of good shape, large and round; color deep dark red running through the flesh; very solid with all of the seeds on the surface. In quality it is superior, sprightly, delicious and a great favorite for table, market or canning. One quart will impart a rich color to four or five quarts of any other. It is perhaps our best late variety, adding ten to twelve days to the season. (See cut.) Price, (pot-grown plants), 75c. per doz.; \$5.00 per 100.

GREAT PACIFIC.

(Pistillate: Midseason.)

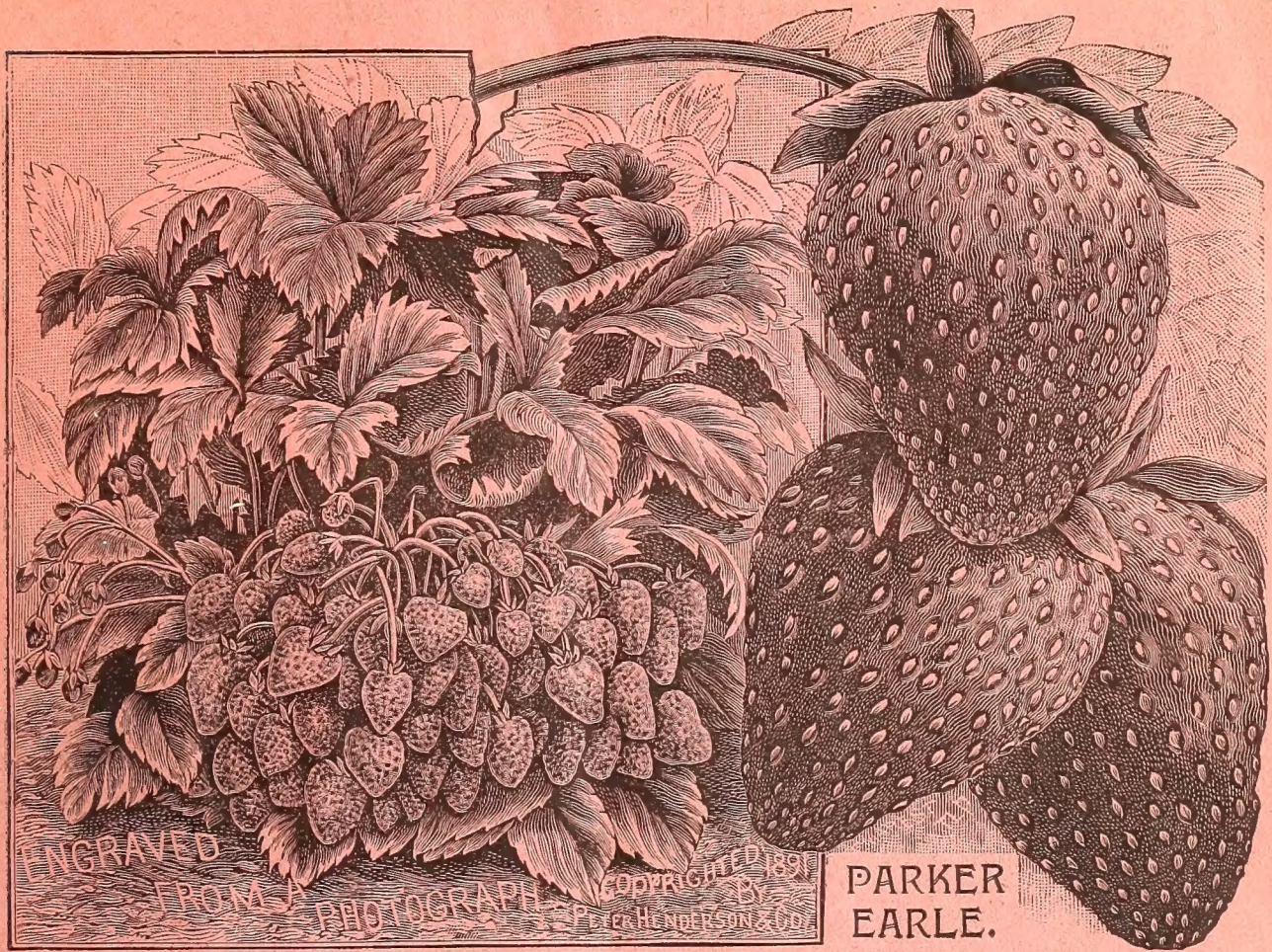
A valuable berry. large, conical, occasionally irregular; crimson scarlet, of fine quality and ripens all over. Plant is a tall, robust grower, great runner, vigorous and very productive. Price, (pot grown plants), 60c. per doz.; \$4.00 per 100.

If strawberry plants are wanted by mail, add for postage 10c, per doz. or 75c. per 100.



YALE.

Red to the
core.



PARKER
EARLE.

PARKER EARLE.

(Bi-sexual: Early to Late.)

A most wonderful producer, having yielded at the rate of 15,000 quarts per acre. Thorough trials prove its adaptability to all climates, out-yielding all others in the south or north, producing prodigiously in either wet or dry seasons. Stems strong and upright; as many as twelve to a plant, each carrying from 20 to 30 berries. We have picked more berries from this variety than from the same quantity of any other plants ever raised. This magnificent new berry originated in Texas and was named in honor of Mr. Parker Earle, the distinguished President of the American Horticultural Society. It produces wonderful crops on light soils, and endures hot, dry weather better than most strawberries. The plant is a robust grower, with perfect flowers, berries large, conical, regular and uniform, glossy crimson, flesh firm, reddish and in quality excellent. It is remarkably vigorous on all soils and under all conditions. Early to late.

Price, (pot-grown plants), 60c. per doz. ; \$4.00 per 100

Mathew Crawford Reports July 1892: Parker Earle:—Good reports are received from all sections—wonderfully productive. This is its great characteristic, it bears till very late.

WARFIELD.

(Pistillate: Early.)

A variety that excels in size and yield, beauty and firmness the celebrated crescent. Quality pleasant sub-acid, very vigorous grower, with bright healthy foliage. An early variety, and one that we highly recommend. A decidedly valuable sort for the general grower.

Price, (pot-grown plants), 60c. per doz. ; \$4.00 per 100.

Mr. Dow in substance, says:—"The Warfield will put the old varieties in the shade. It yields early, lots of very attractive showy fruit, and keeps on bearing for a long time. It is a splendid strawberry."

Mr. M. Crawford, another strawberry authority, says:—"Warfield will doubtless be placed at the head of the list by a great many, and this is where it belongs. For healthy, vigorous growth and great productiveness, it cannot be surpassed. It is among the first to ripen, and among the last to yield a good picking."

BEDERWOOD, (RACKSTER.)

(Bi-sexual: Early.)

A new and exceedingly valuable early strawberry for either home or market use and worthy of great praise; the plant is faultless, of healthy vigorous growth, and an enormous bearer—the berries being of large size, roundish, of regular form, light scarlet, of excellent quality, remaining in fruit a long time.

Price, (pot-grown plants), 75c. per doz. ; \$5.00 per 100.

Mr. Mathew Crawford, the eminent authority, says:—"This in my opinion is the very best early variety ever introduced, and will be wanted by all as soon as its value is known. It is not only very early, but immensely productive. For near market and home use, this is one of the most satisfactory."

STANDARD VARIETIES OF Pot-Grown Strawberry Plants.



THE HAVERLAND STRAWBERRY.

BUBACK (No. 5.)*(Pistillate: Midseason.)*

A superior variety, of large size and great productiveness. The plant is of strong growth. A prominent strawberry grower says, "he has tested every variety sent out in the last 20 years, and if all varieties were culled out but 10, he would place Buback's No. 5 at the head of the list on account of its large, bright, well-colored berries, its immense yield and handsome appearance and fine flavor."

An eminent authority on strawberries says:—"Buback No. 5 is the big strawberry of to-day, ahead of all others in every way, an immense producer of tremendous berries. I predict that this variety will predominate all over the country. Price, (pot-grown plants), 60c. per doz.; \$4.00 per 100.

CUMBERLAND.*(Bi-sexual: Midseason.)*

An excellent variety, large size, productive, fine color and of delicious flavor. Price, (pot-grown plants), 60c. per doz.; \$4.00 per 100.

GREAT AMERICAN.*(Bi-sexual: Midseason to Late.)*

An old well-known favorite, good sized solid fruit, flavor excellent. Price, (pot-grown plants), 60c. per doz.; \$4.00 per 100.

HOFFMAN.*(Bi-sexual: Early.)*

A variety very popular south for shipment to northern markets; fruit good size and exceedingly firm; plant strong grower and exceedingly productive. Price, (pot-grown plants), 60c. per doz.; \$4.00 per 100.

HAVERLAND.*(Pistillate: Early.)*

A magnificent and comparatively new variety; very early and productive, particularly in rich, deep soil. It is exceedingly vigorous and healthy, bearing large handsome fruit of fine quality. The shape of the berries is rather long, and of a glossy bright crimson. Mr. George Q. Dow, an eminent authority, says: "Haverland is one of the best varieties in existence to-day. I cannot write too much in its praise. A vigorous grower, does well anywhere, free from rust and burn. As a yielder it ranks among the first, producing an immense quantity of very large berries. More than all this—it is the earliest strawberry on my place (New Hampshire,) by several days. It is all right in every way. (See cut.) Price, (pot-grown plants), 60c. per doz.; \$4.00 per 100.

CHARLES DOWNING.*(Bi-sexual: Midseason.)*

For beauty, size, quality and productiveness, this variety is unsurpassed; the flavor is very fine, and the plants do well in most soils and locations. Price, (pot-grown plants), 50c. per doz.; \$3.50 per 100.

GOLD.*(Pistillate: Midseason to Late.)*

Of the finest quality, nearly regular in form, large and firm, keeping well for several days after being picked; color bright scarlet; with golden seeds, season long, from medium to late, plants vigorous and productive. The Gold took the Silver Medal of the Mass. Hort. Soc. as the best new seedling. Price, (pot-grown plants), 60c. per doz.; \$4.00 per 100.

If strawberry plants are wanted by mail, add for postage 10c. per doz., or 75c. per 100.

JESSIE.

(*Bi-Sexual; Mid-Season.*)

This large, finitrawberry has been tested over a large extent of country and has given universal satisfaction. Its large size, handsome, regular form and fine quality makes it the most desirable of berries. Plant strong, stocky, vigorous, free from rust and wonderfully productive. The Wisconsin Horticultural Society, after examining the plants in fruit, unanimously adopted the following: "Resolved, That this is the best of the ground of the Wisconsin Horticultural Society, and we believe it possesses more valuable qualities than any new variety now disseminated. Price, (not grown plants,) 50c. per doz.; \$3.50 per 100."

MAY KING.

(Bi-Sexual: Early.)

Remarkably productive, fruit showy, bright scarlet of medium size. A valuable early and market sort, and on poor soils it does better than most others. **Price**, (*pot grown plants*,) 60c. per doz.; \$4.00 per 100.

PINEAPPLE.

(*Bi-Sexual: Mid-Season.*)

A remarkable strong grower, luxuriant dark green foliage, standing one foot high. A heavy yielder, some growers even claiming that it out-yields the Crescent plant side by side, and it is much larger than the Sharpless, is a better shipper and the fruit sells for more money. Its rich dark crimson color, delicious flavor combined with vigor and productiveness, insures it great popularity. **Price.** (pot grown plants.) 60c. per doz.; \$4.00 per 100.

SHARPLESS.

(*Bi-Sexual: Mid-Season.*)

One of the most popular. Plant exceedingly vigorous, very productive. Fruit large crimson, firm and of good quality. A profitable variety for market and home. **Price,** (*pot grown plants.*) 60c. per doz. \$4.00 per 100.

“NECTAR.”

(HENDERSON'S.)

(Bi-Sexual: Early.)

It is of the *largest size*, *medium early*, *abundantly prolific*, of a *rich spicy flavor*, and one of the *most beautiful* Strawberries ever introduced. Plant of luxuriant growth and free from mildew or rust. **Price**, (*pot grown plants*) 75c. per doz. \$5.00 per 100.

NOBLE.

(LAXTON'S.)

(*Bi-Sexual: Early.*) This is a very large and handsome, regularly formed, globular-shaped strawberry, of a rich and vinous flavor, flesh firm, color bright crimson scarlet. Plant very hardy and vigorous, and most prolific, producing wonderful trusses of large even-sized fruits with comparatively few small ones. **Price,** (*pot grown plants.*) 75c. per doz, \$5.00 per 100.

PARRY.

(Bi-Sexual: Mid-Season.)

A seedling of the Jersey Queen, which it resembles but is better. Fruit uniformly large, firm, beautiful in color and of good quality. A strong grower. **Price,** (*pot grown plants.*) 60c. per doz.; \$4.00 per 100.

PRINCE OF BERRIES.

(*Bi-Sexual: Mid-Season.*)

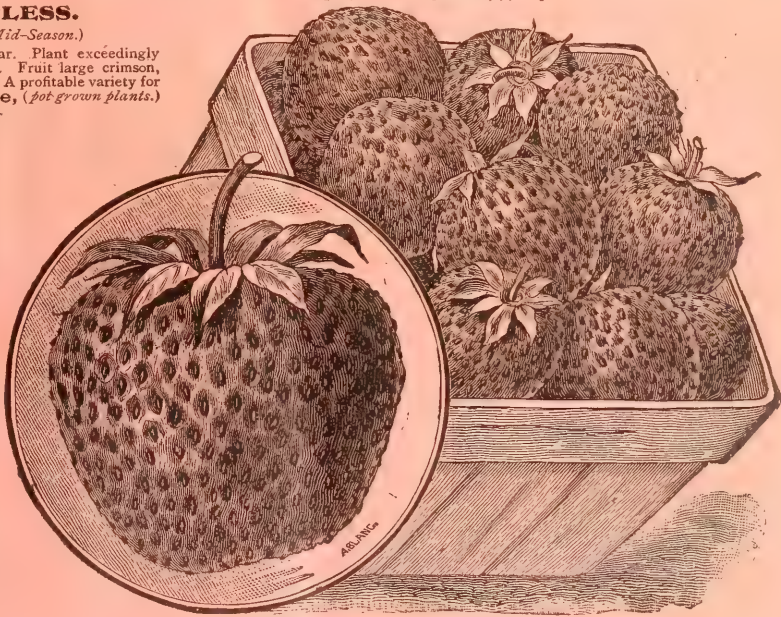
One of Mr. Durand's seedlings and claimed by him to be superior in flavor and quality, and possessing in a greater degree than the wild berry itself, that delicious aroma peculiar to the wild strawberry. It is an abundant bearer, of large size and beautiful color. **Price, (pot grown plants.)** 60c. per doz.; \$4.00 per 100.

MICHEL'S EARLY.

(Osceola.)

(Bi-Sexual: Extra Early.)

The originator says this is the only Strawberry entitled to be called "early" being two weeks earlier than other variety. It is a robust, strong grower, rooting deeply, and throwing large luxuriant foliage on long stems with never a trace of rust or mildew. It yields bountifully, being as productive as the Crescent; berries medium to large, handsome regular form, color bright scarlet, flavor exquisite, pronounced by all who have tested it equal to that of the Wild Strawberry. (See Cut.) **Price,** (pot grown plants.) 60c. per doz.; \$4.00 per cor.



MICHEL'S EARLY

Collections of "Standard" Strawberry Plants.

[illegible]

Collections of "New" Strawberry Plants.

[illegible]

If strawberry plants are wanted by mail, add for postage 10c. per doz.; or 75c. per 100.

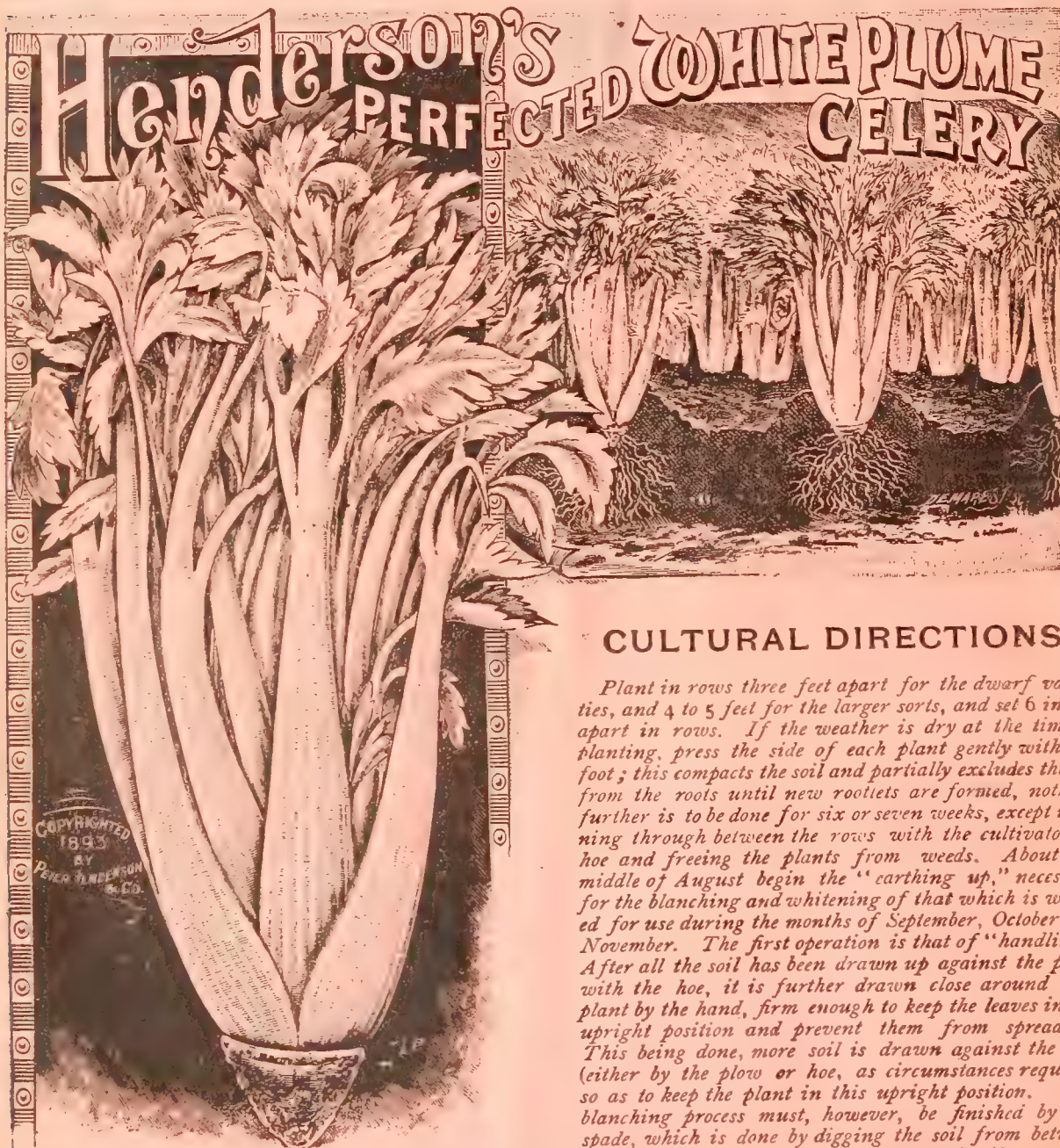
CELERY PLANTS.

Supplied Between June 15th and August 25th.

Special Prices for 5,000, 10,000 or 20,000 lots given on application.

We are unquestionably the largest raisers of celery plants in the world, and our Methods of culture are such that we invariably have the plants in the finest possible condition. We draw special attention to our **Transplanted Celery Plants**. The result of transplanting is seen in the dense mass of fibrous roots that these plants possess, and on this account with ordinary care they are much easier to transplant and are more certain to do well.

No charge for packing. The safe arrival of all celery plants is guaranteed, if sent by express, and the time of transit does not exceed three days. Vegetable plants by mail are entirely at the Purchaser's risk.



CULTURAL DIRECTIONS.

Plant in rows three feet apart for the dwarf varieties, and 4 to 5 feet for the larger sorts, and set 6 inches apart in rows. If the weather is dry at the time of planting, press the side of each plant gently with the foot; this compacts the soil and partially excludes the air from the roots until new rootlets are formed, nothing further is to be done for six or seven weeks, except running through between the rows with the cultivator or hoe and freeing the plants from weeds. About the middle of August begin the "earthing up," necessary for the blanching and whitening of that which is wanted for use during the months of September, October and November. The first operation is that of "handling." After all the soil has been drawn up against the plant with the hoe, it is further drawn close around each plant by the hand, firm enough to keep the leaves in an upright position and prevent them from spreading. This being done, more soil is drawn against the row (either by the plow or hoe, as circumstances require), so as to keep the plant in this upright position. The blanching process must, however, be finished by the spade, which is done by digging the soil from between

the two rows, and banking it clear up to the top on each side of the row of celery. For fuller details on celery culture please refer to the new edition of Peter Henderson's book, "Gardening for Profit."

CELERY PLANTS IN COLLECTIONS,

Packed free of charge and arrival in good condition guaranteed for a journey of not over three days.

Collection A.—500 plants, 50 each of the ten varieties offered on opposite page, \$2.25 **Transplanted Plants, \$3.25.**

Collection B.—1,000 plants, 100 each of the 10 varieties offered on opposite pages, \$4.00. **Transplanted Plants, \$6.00.**

We will include *free of charge*, with either of the above collections, "Essay on the Growing and Preservation of Celery for Winter." By Peter Henderson.

CELERY PLANTS.

Prices of Celery Plants Described Below.

(Packed free of charge, and arrival in good condition guaranteed for a journey of not over three days.)

Plants from Seed Bed, \$4.00 per 1000; 50c. per 100; or by mail, 65c. per 100.

Transplanted Plants, \$6.00 per 1000; 75c. per 100; or by mail, 90c. per 100.

Henderson's Perfected White Plume.

The Only True Self-Blanching Celery.

Introduced by us years ago, time has proved it to be one of our most valuable contributions to horticulture; it is now more popularly known and more largely grown than all other varieties of celery combined. People who never grew celery before have no more trouble in growing and blanching Henderson's White Plume Celery ready for the table, than in growing ordinary garden vegetables, for no "banking up" is necessary. The peculiarity of this variety is that the stalk, portions of inner leaves and heart are white, naturally, so that by simply tying the plant together, or by drawing the soil against it, pressing it with the hands and then repeating the operation to hold the soil already placed against the plant in position, the work of blanching is completed. Henderson's White Plume Celery presents a highly ornamental appearance on the dinner table, and its crisp, succulent stalk and delicious, nutty flavor, is unequalled by any vegetable grown. Unfortunately the variety has always had a tendency to revert to the old green type, and it has always produced a proportion of green plants, but persevering selection for years enables us now to offer an almost absolutely pure stock, so superior that we feel justified in calling it "Henderson's Perfected White Plume." (See top of page for price of plants.)

HENDERSON'S HALF DWARF.

This variety is grown extensively for the New York City markets and hotels. When blanched it is of a yellowish white, making it very ornamental for the table; it is entirely solid, possessing a rich, nutty flavor, while it has much vigor of growth, surpassing most of the large growing sorts in weight of bunch when grown under the same conditions. (See top of page for price of plants.)

HENDERSON'S GOLDEN DWARF.

In size and habit of growth it is much the same as the above, except that when blanched, the heart, which is large and full, is of a waxy golden yellow, rendering

it a most striking and showy variety for either market or private use. It is entirely solid and of most excellent flavor, and one of the best keepers during winter we have ever known. (See top of page for price of plants.)

GIANT PASCAL CELERY.

This variety is a selection from the New Golden Self-blanching Celery, it partakes of the best qualities of that variety, but is much larger and a better keeper. It is of a fine nutty flavor, being entirely free from any bitter taste. It grows about two feet high; the stalks are very broad, thick and crisp, and entirely stringless; the width and thickness of the stalks are distinctive features of this variety. It bleaches with but slight "earthing up" and very quickly, usually in five or six days. A most valuable variety for both early and mid-winter use. (See top of page for price of plants.)

BOSTON MARKET.

A great favorite around Boston, and similar to the Dwarf White, but rather more robust. The leaves are a darker green, the stalks when blanched nearly white. It is an excellent variety, solid, crisp and tender. (See top of page for price of plants.)

GIANT WHITE SOLID.

The best of the larger growing sorts, attaining a height under good cultivation of 3 feet. It should never be planted closer than 4 feet between the rows, or it cannot be worked properly. This variety is most suitable for southern sections of the country, as it grows freely in a hot or dry atmosphere. (See top of page for price of plants.)

GOLDEN SELF-BLANCHING CELERY.

A most valuable variety which partakes somewhat of the character of the celebrated "White Plume," inasmuch as it does not require such high "banking up" as the ordinary sorts to be fitted for the table. It simply needs a slight earthing up or "handling." It is of a beautiful waxy golden color, very solid and of rich nutty flavor. (See top of page for price of plants.)

RED CELERIES.

We have tried to impress upon our customers, for years, the superiority of the Red Celery over the White. Not only are they better flavored and more crisp, but they are hardier and keep better during winter.

HENDERSON'S NEW ROSE CELERY.

Has that nutty flavor so desirable in celery, very ornamental on the table, the delicate tracing of carmine blending with the white in the blanched stalks. This variety is the most desirable of its class; possessing every requisite good quality. (See top of page for price of plants.)

LONDON RED.

This variety is one of the best, having every requisite good quality. (See top of page for price of plants.)

MAJOR CLARK'S PINK.

Of medium growth, of stiff, close habit, large heart, remarkably solid and crisp, and of fine, walnut-like flavor. (See top of page for price of plants.)

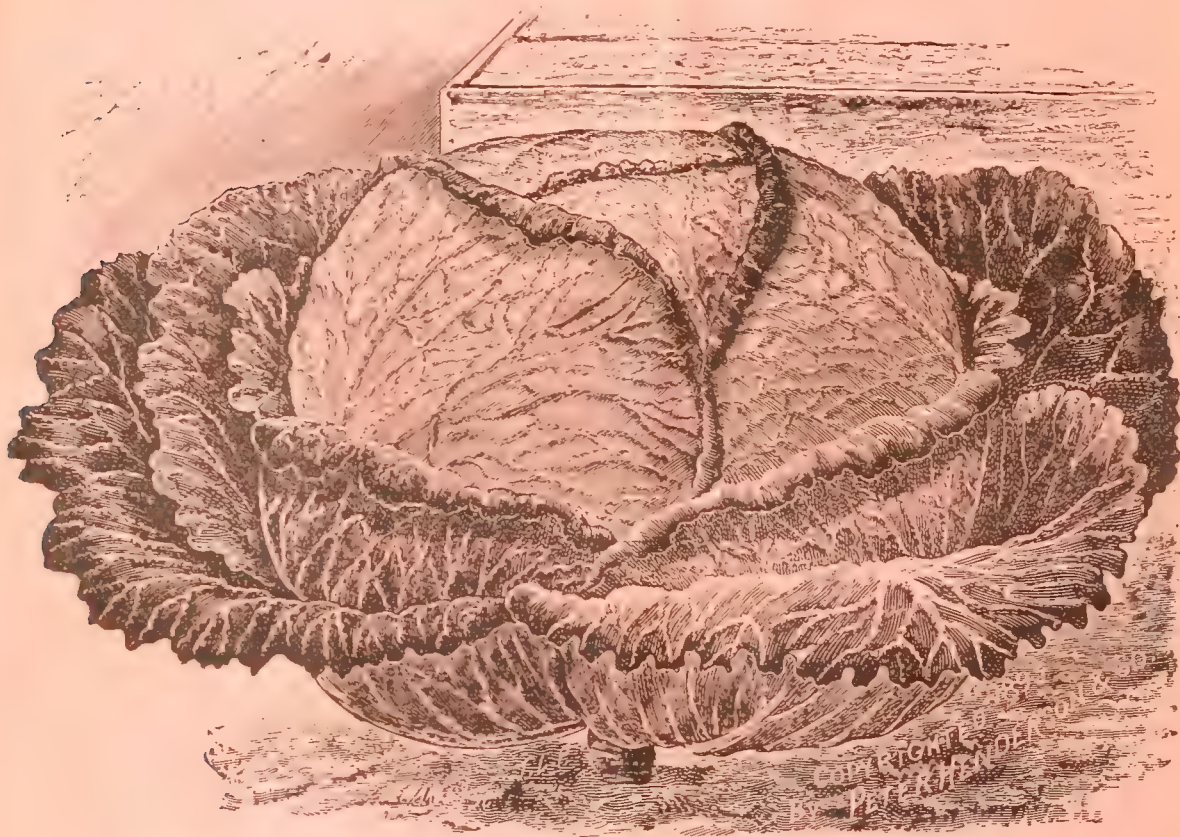
For Prices of Celery Plants See Above.

Special prices given on application, to buyers of 5,000, 10,000 or 20,000 lots.

CABBAGE PLANTS.

For Summer Planting, for Autumn and Winter use. Ready from June 15 to August 1st.

Plant at distances of two feet between the plants, and three feet between the rows.



Henderson's Autumn King Cabbage Plants.

THE FINEST OF ALL WINTER CABBAGES.

It is the finest Late Cabbage in this country to-day, an entirely distinct variety, and the best keeper we have ever seen; it produces enormous solid heads of dark green, and has such small outer leaves that it can be planted much closer together than the ordinary late sorts, and be relied upon to produce a greater weight of crop per acre than any other variety. A distinctive feature of the AUTUMN KING is the peculiarly crimped leaves, which not only add to its appearance, but enable it to be distinguished anywhere.

I have just sent a specimen of your Autumn King Cabbage to the Sioux City Corn Palace. It weighed 27¼ pounds, and I will wager \$100. that I can raise more pounds to the 100 heads than any other grower can with any other varieties. I have sold 200 heads to one man that averaged 22½ pounds to the head. J. W. KELLY, SANBORN, IOWA.

Price of Plants: \$4.50 per 1000; 50c. per 100; or by mail, 65c. per 100.

Henderson's Succession Cabbage Plants.

By experts it is pronounced the most perfect type of Cabbage grown; nearly every Cabbage heads up, of a uniformly perfect shape, large and heavy. Although largely grown for midsummer use, it is most valuable as a fall or winter variety, as its firm, solid heads, make it an excellent keeper.

Price of Plants: \$4.50 per 1,000; 50 cents per 100; or by mail, 65 cents per 100.

Henderson's Early Summer.

Ten days later than Wakefield, but double the size; the *best large early* Cabbage.

Selected Late Flat Dutch.

This valuable variety will be found one of the most satisfactory strains of Late Cabbage ever grown.

Fottler's Improved Brunswick.

A second Early and Late variety.

Drumhead Savoy.

Of much finer flavor and quality than other Cabbages. grown in fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.

Red Dutch.

Used almost exclusively for pickling. It is one of the hardiest of all Cabbages.

Prices, (except specially mentioned) \$3 50 per 1000; 40c per 100; or by mail, 55c. per 100.



HENDERSON'S EARLY

SNOWBALL CAULIFLOWER.

CAULIFLOWER PLANTS.

Best varieties for fall heading.

(Ready between June 15th and August 1st.)

They should be planted at distances of one and a half feet between the plants and two feet between the rows.

Henderson's Early Snowball. Superior to all others for either market or family gardens. Nearly every plant will form a perfect snow-white head, averaging nine inches in diameter; its compact habit enables one third more to be planted on the same space of ground than can be done with any other variety. (*See cut.*) Price of plants, \$7.50 per 1000; \$1.00 per 100; or by mail, \$1.15 per 100.

Large Late Algiers. It is now extensively grown for fall use; large fine heads. Price of plants, \$6.00 per 1000; 75c. per 100; or by mail, 90c.



CFLERIAC.



KOHl RABl, EARLY WHITE VIENNA.



KALE OR BORECOLE.

Brussels Sprouts Plants.

Dwarf Improved. A variety producing compact sprouts of excellent quality. (*See cut.*) Price of plants, \$4.50 per 1000; 50c. per 100; or by mail, 65c.

Kale or Borecole Plants.

Dwarf Green Curled Scotch. A dwarf spreading variety; will remain over winter where the temperature does not fall below zero. It is most tender after being bitten by frost. Price of plants, \$4.50 per 1000; 50c. per 100; or by mail, 65c.

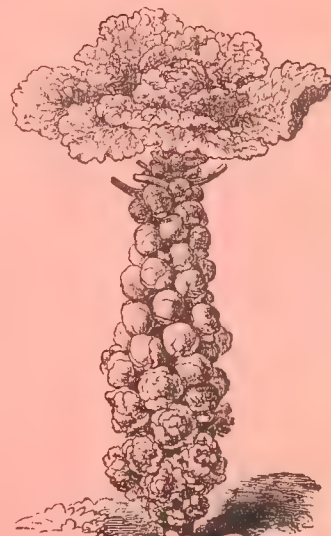
Brown German Curled or Purple. Similar to the above in all respects except the color, which is of a dull purple. This is the variety most esteemed by the Germans. It is very hardy and is often seen in the gardens of New York as late as January. Price of plants, \$4.50 per 1000; 50c. per 100; or by mail, 65c.

Celeriac Plants.—(Turnip Rooted Celery.)

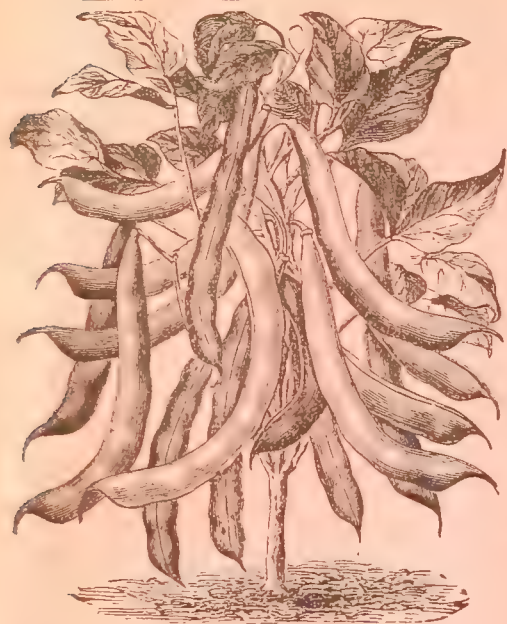
Large Erfurt. Turnip shaped roots; excellent salad when cooked and sliced with vinegar. (*See cut.*) Price of plants, \$4.50 per 1000; 50c. per 100; or by mail, 65c. per 100.

Kohl-Rabi Plants.

Early White Vienna. Flesh white and tender. The best condition for use is when the root is three or four inches in diameter, (*See cut.*) Price of plants, \$4.50 per 1000; 50c. per 100; or by mail, 65c.



BRUSSELS SPROUTS.



HENDERSON'S EARLIEST RED VALENTINE BEAN.



PEA AMERICAN WONDER.

VEGETABLE SEEDS.

Particularly adapted for Summer and Fall Sowing.

Thereby extending the Supply of Fresh Vegetables Until Frost.

Descriptions which have been already given in our Catalogue of EVERYTHING FOR THE GARDEN for 1893.

 If by mail in quantities of $\frac{1}{2}$ lb. and upwards, postage must be added at the rate of 8c. per lb.

Postage on Beans and Peas, 15c. per quart extra.

BEANS, Dwarf or Bush. Postage extra, 15c. per qt.

Green Sorts.	pt.	qt.	peck.	bush.
New Bush Lima. 10c. per pkt.; 15c. per $\frac{1}{2}$ pt.;.....	30	50	3 50	
Burpees Bush Lima 10c. pkt.; 35c. $\frac{1}{2}$ pt.	60	1 00		
Emperor William.....	15	25	1 25	4 25
Henderson's Earliest Red Valentine.....	20	35	2 00	6 00
Early Warwick.....	30	50	2 25	7 00
Long Yellow Six Weeks...	15	25	1 25	4 25
Early Mohawk.....	15	25	1 25	4 25
Early Red Valentine..	15	25	1 25	4 25
Extra Early Refugee.....	20	30	1 50	5 00
Dwarf Horticultural.....	15	25	1 25	4 25
Rhode Island Dwarf Case Knife.....	15	25	1 25	4 25
Refugee, or Thousand to One	15	25	1 25	4 25
Large White Kidney.....	15	25	1 25	4 25
White Marrow.....	15	25	1 25	4 25

Wax Sorts.

Improved Golden Wax...	30	50	2 25	8 00
Golden Eyed Wax.....	20	30	1 75	6 00
Wardwell's Kidney Wax..	25	40	2 00	7 00
Golden Wax.....	20	35	2 25	8 00
Cylinder Black Wax.....	25	40	2 00	7 00
Black Wax ..	20	30	1 75	6 00
Black Eyed Wax.....	20	30	1 75	6 00
Flageolet Wax.....	25	40	2 00	7 00
White Seeded Wax.....	20	35	2 00	6 50
Yosemite Mammoth Wax, 20c. per $\frac{1}{2}$ pt.	30	50	3 50	

BEET.

	pkt.	oz.	$\frac{1}{4}$ lb.	lb.
Reine des Noires.....	10	15	40	1 00
Egyptian Turnip.....	5	10	20	55
Eclipse.....	5	10	20	50

BEET.—Continued.

	pkt.	oz.	$\frac{1}{4}$ lb.	lb.
Edmand's Early.....	5	10	20	60
Bastian's Blood Turnip....	5	10	20	45
Lentz	5	10	20	45
Dewing's Improved Blood Turnip.....	5	10	20	50
Early Blood Turnip.....	5	10	20	45
Early Flat Bassano.....	5	10	20	45
Long Smooth Blood Red..	5	10	20	45
Early Yellow Turnip.....	5	10	20	45
Brazilian Variegated.....	5	10	20	45
Swiss Chard, Silver or Sea Kale Beet.....	5	10	20	60

MANGEL WURZEL AND SUGAR

BEET.—See page 18.

CABBAGE.

Henderson's Selected Early Jersey Wakefield.....	5	30	1 00	3 00
The Charleston or large type of Wakefield.....	10	50	1 50	5 00
Henderson's Early Summer	5	25	80	3 00
Henderson's Succession...	10	40	1 25	4 00
Early Winningstadt... ..	5	25	75	2 50
Fottler's Improved Bruns- wick.....	5	20	60	2 25
Early York.....	5	20	60	2 00
Large Early York.....	5	20	60	2 00
Early French Ox Heart....	5	20	60	2 00
Mid-Summer Savoy.....	5	20	60	2 00
Express.....	5	20	60	2 00

CAULIFLOWER.

Henderson's Early Snowball	25	4 00	14 00
Extra Early Dwarf Erfurt.	20	3 50	12 00
Extra Early Paris.....	5	75	2 50
Half Early Paris or Non- pareil	5	60	2 00



RADISH, EARLY ROUND DARK RED.



THICK LEAVED SPINACH

CUCUMBER.

	pkt.	oz.	¼ lb.	lb.
Cool and Crisp. 15c. pkt.;				
8 pkt's. \$1 00.....				
Japanese Climbing. 15c.				
pkt.; 8 pkt's \$1 00.....				
Nichol's Medium Green....	5	10	25	80
Extra Early Green Prolific..	5	10	30	90
Improved Early White Spine	5	10	25	80
Livingston's Evergreen....	5	10	25	80
Extra Long White Spine...	5	10	25	80
New Eve bearing.....	5	10	25	80
Boston Pickling.....	5	10	25	80
Early Frame.....	5	10	25	80
Early Cluster.....	5	10	25	80
Green Prolific.....	5	10	25	80
Long Green.....	5	10	25	80
Short Green or Gherkin	5	10	25	80
Tailby's Hybrid.....	5	10	25	80
West India Gherkin or Burr.	5	15	30	1 25

ENDIVE.

Green Curled.....	5	15	40	1 50
French Moss Curled.....	5	20	60	2 00
White Curled.....	5	20	50	1 75
Broad Leaved Batavian....	5	20	50	1 75

KALE or BORECOLE.

Siberian Kale, German				
Green or "Sprouts"	5	10	20	60
Dwarf Green Curled Scotch.	5	15	35	1 00
Brown German Curled.....	5	15	40	1 50

LETTUCE.

Henderson's New York....	5	15	40	1 40
Big Boston	10	35	1 00	3 50
Sunset.....	5	15	40	1 25
Golden Queen	10	25	75	2 40
Early Curled Simpson.....	5	10	30	1 00
Black Seeded Simpson.....	5	15	40	1 25
Salamander.....	5	15	40	1 25
Deacon.....	5	15	40	1 25
Yellow Seeded Butter.....	5	15	40	1 25
Early Prize Head.....	5	15	40	1 25
Tennis Ball Black Seeded..	5	15	40	1 25
Black Seeded Butter.....	5	15	40	1 25
Boston Market	5	15	40	1 25
Large India.....	5	15	40	1 25
Defiance Summer.....	5	15	40	1 25
Large White Summer Cab-				
bage.....	5	15	40	1 25
All the Year Round.....	5	15	40	1 25
Hardy Green Winter.....	5	15	40	1 25
Brown Dutch.....	5	15	40	1 25
Celery Lettuce (Trianon)...	10	25	75	2 50
Paris White Cos.....	5	15	40	1 25

MUSHROOM SPAWN.

English, 8 lbs. for \$1.00....				15
French, in Boxes, 2 lbs., 75c.				

ONION. Varieties for Fall Sowing.

Giant Rocca.....	5	20	60	2 00
Neapolitan Marzajola.....	5	20	60	2 00
Queen.....	5	20	60	2 00

ONION.—Continued.

	pkt.	oz.	¼ lb.	lb.
Large White Italian Tripoli.	5	20	50	1 75
Large Red Italian Tripoli..	5	20	50	1 75
Mammoth Pompeii.....	5	20	60	2 25
Giant White Garganus.....	10	25	75	2 50
White Bermuda.....	5	20	70	2 00
Red Bermuda.....	5	20	70	2 25

PARSLEY.

Henderson's Emerald.....	5	10	30	1 00
Double Curled.....	5	10	25	80
Champion Moss Curled.....	5	10	30	1 00
Plain Parsley	5	10	25	80

PEAS, Extra Early.—Postage extra 15c. per qt.

	pt.	qt.	pk.	bu. h.
Henderson's First of All...	15	25	1 25	4 50
Alaska.....	15	25	1 15	3 00
Blue Beauty	20	30	1 50	5 00
American Wonder.....	20	30	2 00	7 00
Improved Daniel O'Rourke.	15	25	1 15	4 00
Horsford's Market Garden..	15	25	1 50	5 00
Laxton's Alpha.....	20	30	1 75	6 00
Tom Thumb.....	20	30	1 75	6 00
McLean's Little Gem	15	25	1 50	5 50
McLean's Advancer.....	15	25	1 40	4 50
Extra Early Premium Gem ..	20	30	1 75	6 00

RADISH.

	pkt.	oz.	¼ lb.	lb.
White Strasburg	5	10	20	60
Rapid Forcing.	5	15	40	1 25
Celestial.....	5	15	40	1 25
Red Forcing Turnip.....	5	15	30	75
Early Scarlet Globe.....	10	20	40	1 00
Long Scarlet Short Top....	5	10	20	50
Wood's Early Frame.....	5	10	21	50
Early Scarlet Turnip....	5	10	20	50
Early Round Dark Red....	5	10	20	50
Early White Turnip.....	5	10	20	50
White Tipped Scarlet Turnip	5	10	20	60
White Summer Turnip....	5	10	20	60
Yellow Summer Turnip....	5	10	20	60
Red Rocket.....	5	10	25	75
Beckert's Chartier.....	5	10	20	60
Giant White Stuttgart.....	5	10	20	60
Long White Naples.....	5	10	20	60
The Sandwich.....	10	25	75	
Rose China Winter.....	5	10	25	75
Long Black Spanish.....	5	10	20	65
Round Black Spanish.....	5	10	20	65
White Spanish	5	10	20	60
California Mammoth White.	5	10	25	75

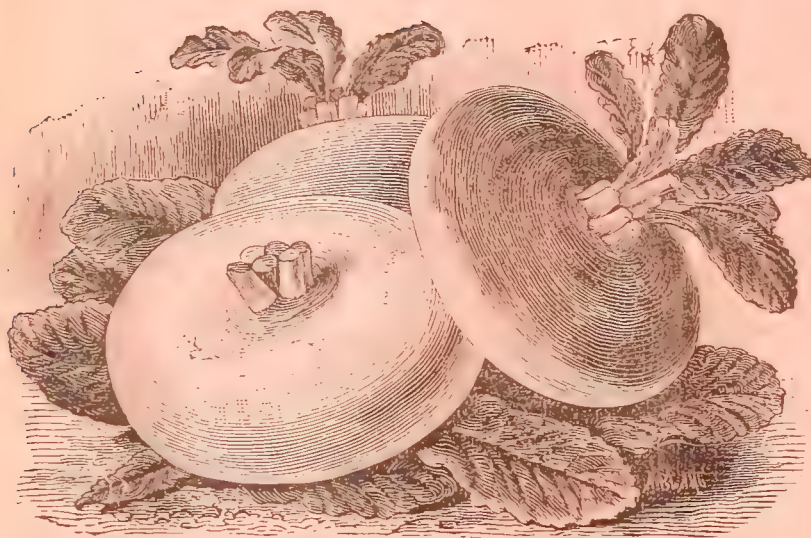
SPINACH.

Henderson's Norfolk Savoy				
Leaved.....	5	10	20	40
Round Leaf.....	5	10	15	35
Long Standing.....	5	10	15	35
Prickly.....	5	10	15	35
Large Round Leaf Viroflay.	5	10	15	35
Thick Leaved.....	5	10	15	35
New Zealand.....	5	10	30	1 00

TURNIPS. See pages 16 and 17.

THIS IS THE
TIME TO SOW

TURNIPS.



EARLY WHITE STRAP LEAF.

RED TOP STRAP LEAF.



WHITE EGG.

If by mail in quantities of $\frac{1}{2}$ lb. and upward, postage must be added at the rate of 8 cts. per lb.

RED TOP STRAP LEAF. Rapid grower and of mild flavor; the most popular variety for early use, either for the table or for stock. (*See cut.*) 5 cts. pkt.; 10 cts. oz.; 15 cts. $\frac{1}{4}$ lb.; 40 cts lb.

Early White Strap Leaf. Differs from the red only in color. (*See cut.*) 5c. pkt.; 10c. oz.; 15c. $\frac{1}{4}$ lb.; 40c. lb.

EXTRA EARLY MILAN. (Crop failed.)

Early Snowball. Small, solid, sweet and crisp, and also of remarkably quick growth. 5 cts. pkt.; 10 cts. oz.; 25 cts. $\frac{1}{4}$ lb.; 75 cts. lb.

WHITE EGG. Its shape is nearly oval or egg; flesh very firm and fine grained, thin and perfectly smooth skin, and both flesh and skin are of snowy whiteness. Its flavor is of the very best, mild and sweet. (*See cut.*) 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 50c. lb.

POMERANIAN WHITE GLOBE. Valuable alike for the table and for stock. Not so early as the flat sorts. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

Large White Norfolk. A very large growing, globe-shaped green-top white variety; flesh coarse grained and sweet; one of the best early varieties for stock, but not so desirable for table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

LONG WHITE or COW HORN. Matures very quickly: roots shaped like a carrot, about half of which are formed above ground; flesh white, fine grained and sweet, and of excellent quality for table use. 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 50c. lb.

PURPLE TOP WHITE GLOBE. An early variety, globe shaped; heavy cropper; in other respects similar to the Red Top Strap Leaf. A handsome looking bulb, and is rapidly taking the lead of all other varieties of early turnip for market garden purposes. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

GOLDEN BALL. Rapid grower, excellent flavor, globe shaped, and of a beautiful bright yellow color, a good keeper, and has no superior for table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

YELLOW STONE. One of the best and most popular yellow fleshed varieties for table use; it is equally good for feeding stock. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 60 cts. lb.

YELLOW GLOBE. One of the best varieties for general crop; flesh very firm and sweet, and keeps well until late in spring; grows to large size, and is excellent both for stock and table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

Early Flat Dutch. An excellent garden variety resembling White Strap Leaf. 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 45c. lb.

Purple Top Yellow Aberdeen. Very hardy and productive, good keeper, globe-shaped and fine quality. 5c. pkt.; 10c. oz.; 20c. $\frac{1}{4}$ lb.; 50c. lb.

Seven Top for Turnip Greens. 5 cts. pkt.; 10 cts. oz.; 20 cts. $\frac{1}{4}$ lb.; 50 cts. lb.

Ruta Baga, Russian or Swedish Turnip. *See page 17.*

THIS IS THE TIME TO SOW

Ruta Bagas, Russian or Swedish Turnips.

These come next to Mangels in importance for stock feeding purposes, and can be sown much later. They grow very rapidly, and yield from twenty-five to thirty five tons per acre, in good, rich, deep soil, with proper cultivation. The Ruta Bagas proper should be sown in this latitude from May 25th to June 25th. If sown at the time mentioned, they should be sown in rows, 30 inches apart, and the plants thinned with a hoe to 12 or 14 inches apart; but if sown a month later, they can be grown one third closer, both in the rows and between the plants. Sow 2 to 3 lbs. per acre.

Complete Instruction for storing roots in winter given in "How the Farm Pays," Price, \$2.50 per copy, free by mail.

(If by mail in quantities of ½ lb. and upwards add postage at the rate of 8c. per lb.)

IMPROVED

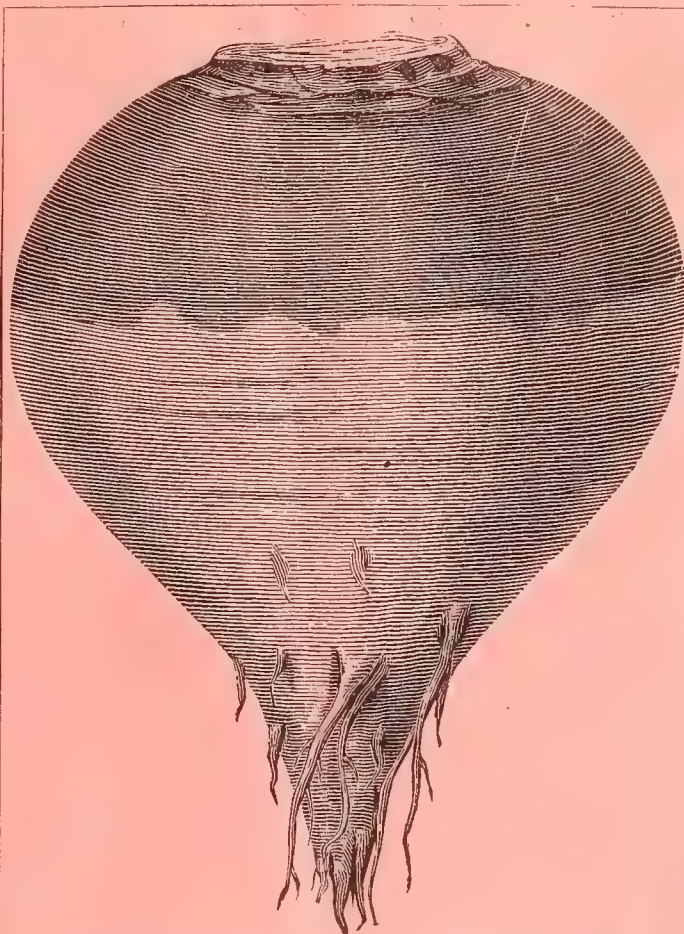
AMERICAN

(Purple-Top.)

An old leading variety very hardy and productive; flesh yellow, solid, sweet and fine-flavored; equally good for stock or table use; one of the principal varieties raised by market gardeners, and was one of the best of all Swede Turnips, until we introduced the "Long Island Improved" offered below. 5 cts. per pkt.; 10 cts. per oz.; 20 cts. ¼ lb.; 50 cts. lb.; 10 lbs., \$4.50.

LARGE WHITE FRENCH.

A superior variety for table or stock; flesh firm, white and solid; attains a large size, and has a very rich and sweet flavor; a very popular variety. 5 cts. pkt.; 10 cts. oz.; 20 cts. ¼ lb.; 50 cts. lb.; 10 lbs., \$4.50.



LONG ISLAND IMPROVED PURPLE TOP RUTA BAGA.

LAING'S

IMPROVED.

One of the earliest of the Ruta Bagas; forms a handsome bulb of good quality; keep well; good for stock or table use. 5 cts. pkt.; 10 cts. oz.; 20 cts. ¼ lb.; 50 cts. lb.; 10 lbs., \$4.50.

SKIRVING'S

PURPLE-TOP.

A first-rate variety for stock or table; grows to a large size; flesh firm, solid and sweet, and a good keeper. 5 cts. pkt.; 10 cts. oz.; 20 cts. ¼ lb.; 50 cts. lb.; 10 lbs., \$4.50.

LARGE YELLOW FRENCH.

Similar to the white in every respects, except as to the color of the flesh. 5 cts. pkt.; 10 cts. oz.; 20 cts. ¼ lb.; 50 cts. lb.; 10 lbs., \$4.50.

LONG ISLAND IMPROVED PURPLE-TOP RUTA BAGA.

This is undoubtedly the finest variety of purple-top Ruta Baga, and is purely of American origin, having been originated by one of our Long Island growers. It is twice the size of ordinary American stocks, and although size is usually got at the expense of quality, the quality of this variety for domestic purposes is superior to any we have tested. It first came under our notice as a prize winner, and we feel certain that from its enormous size, solidity and good quality, it will prove to be a champion variety for exhibition purposes. In a fair test on several Long Island farms, alongside some of the best European and American varieties, it produced almost twice the weight per acre of any other variety. (*See cut,*) 5 cts. pkt.; 10 cts. oz.; 25 cts. ¼ lb.; 60 cts. lb.; 10 lbs., \$5.50.

Other Varieties of Turnips Particularly Useful for Stock Feeding Described on page 16 are:

WHITE FLESHED.

YELLOW FLESHED.

Pomeranian White Globe.
Large White Norkolk.

Long White or Corn Horn.
Purple Top White Globe.

Yellow Globe.
Golden Ball (Robertson's)

Yellow Aberdeen.



HENDERSON'S COLLOSSAL LONG
RED MANGEL.

generally grown for agricultural purposes than any other, producing roots of large size and excellent quality. 10c. per $\frac{1}{4}$ lb., 30c. per lb.; in lots of 10 lbs. and upwards, 25c. per lb.

Long Yellow.—Differs from the Long Red only in color. 15c. per $\frac{1}{4}$ lb., 45c. per lb.; in lots of 10 lbs. and upward, 40c. per lb.

Henderson's Champion Yellow Globe.—Smooth, globe-shaped roots of large size and excellent quality, are the distinctive features of this variety. 15c. per $\frac{1}{4}$ lb., 35c. per lb.; in lots of 10 lbs. and upward, 30c. per lb.

Yellow Globe.—Roots of large size and globular form; very productive; keeps better than the Long Red, and is better adapted for growing in soils. 10c. per $\frac{1}{4}$ lb.; 30c. per lb.; in lots of 10 lbs. and upward, 25c. per lb.

Yellow Ovoid.—In shape this sort is intermediate between the long and Globe varieties. A very nutritious and valuable variety. 15c. per $\frac{1}{4}$ lb., 40c. per lb.; in lots of 10 lbs. and upward, 35c. per lb.

Henderson's Red Globe.—A variety similar to the Yellow Globe in shape and size, and different only in color. 10c. per $\frac{1}{4}$ lb.; 30c. per lb.; in lots of 10 lbs. and upwards, 25c. per lb.

SUGAR BEETS.

Lane's Imperial.—An improved variety of French Sugar Beet obtained by careful selection in this country, and recommended as being hardier and more productive. 15c. per $\frac{1}{4}$ lb.; 40c. per lb.; in lots of 10 lbs. and upward, 35c. per lb.

White.—Attains a large size, and is extensively grown for feeding; largely cultivated in France for the manufacture of sugar. 15c. per $\frac{1}{4}$ lb.; 35c. per lb.; in lots of 10 lbs. and upward, 30c. per lb.

Vilmorin's Improved White.—A greatly improved variety of the preceding, and containing a greater percentage of sugar. 20c. per $\frac{1}{4}$ lb.; 55c. per lb.; in lots of 10 lbs. and upward, 50c. per lb.

THIS IS THE TIME TO SOW MANGELS.

Mangels are the most important of all root crops for feeding, and may be grown on any part of the American continent on fairly good farm land; all that is necessary is a little cultivation. These are not grown as extensively in America as they should be, considering how well our climate and soil are adapted to their culture, when we take into account our special necessities arising from our long, dry summers, which diminish the yield of the hay and other fodder crops, as well as our long winter feeding season. Many have the idea that it is difficult to protect such crops during the winter, but when it is considered that in Canada they are much more largely grown than in the United States, and that they can be "pitted" with safety even in the most rigorous winter, it will be readily seen that this idea is erroneous.

The best soil for Mangels is loose, friable loam and deep plowing. If expedient, follow the plow with a subsoil plow, and the crop will more than repay the extra trouble. The ground should be well enriched, and the seed sown in drills 24 inches apart in light soils, and 30 inches apart in strong, rich land. Thin out the plants with a hoe to 9 inches apart in the former, and 12 inches apart in the latter. 6 to 8 pounds of seed are used per acre if sown with a drill, or double that quantity if sown by hand. Cultivate with a horse hoe.

If by mail in quantities of $\frac{1}{4}$ lb. and over, add for postage at the rate of 8 cents per pound.

Henderson's Colossal Long Red.—The roots are smooth and regular, of the largest size and blood red color. The quality is exceedingly nutritious, and in all respects this variety is most distinct and valuable. (See cut.) 15c. per $\frac{1}{4}$ lb.; 35c. per lb., in lots of 10 lbs. and upwards, 30c. per lb.

Henderson's Giant Intermediate.—This is a variety between the Golden Tankard and Yellow Globe. It is larger than the Tankard, not such a rich golden color, but a heavier cropper. 15c. per $\frac{1}{4}$ lb.; 40c. per lb.; in lots of 10 lbs. and upward, 35c. per lb.

Golden Tankard.—The flesh is bright golden yellow, and in this respect differs from most other varieties which cut white. The Golden Tankard is an exceedingly popular variety in Great Britain, where it is considered particularly valuable on account of its nutritious and milk-producing qualities. Sheep have a preference for this sort over other Mangels; it is said that they will pick out every piece of Golden Tankard before touching others. It yields under the best cultivation 75 tons per acre. (See cut.) 15c. $\frac{1}{4}$ lb.; 40c. per lb., in lots of 10 lbs. and upward, 35c. per lb.

Long Red.—This variety is more



GOLDEN TANKARD
MANGEL.

THIS IS THE
TIME TO SOW

MILLET AND BUCKWHEAT.

New Japanese Buckwheat.

Introduced into cultivation by us in 1887.

It is seldom that such a sterling article as this is placed before the agricultural community, and we would advise all who are growers of Buckwheat to give this new and distinct Japanese variety a trial in preference to any other variety, whether it be for milling, for the apiary or aviary. A glance at our illustration will show that the kernels are at least twice the size of those of any other variety, and of a shape peculiar and distinct from all others. The color of the kernels is also most distinct, being a rich dark shade of brown. The straw is heavier, its branches more, and does not need to be sown as thickly as the other kinds. Flour made from it is greater in quantity and equal in quality if not superior to that of any other Buckwheat, and, as the yield shows, it is enormously prolific. It ripens a week earlier than the Silver Hull, and yields two or three times as much. It can be planted as far north as New Hampshire. (See cut.) \$1.40 per bushel; 10 bushel lots, \$1.30 per bushel.

Truly the Japanese Buckwheat is one of the greatest improvements in a single line of grain, of the present age. All other kinds of buckwheat can be well thrown aside, and not only the bee-keepers of our land, but farmers in general, can unite in tendering a vote of thanks to our enterprising seedsman, Peter Henderson.—“GLEANINGS IN BEE CULTURE.”

Your Japanese Buckwheat is a grand success and an acquisition of sterling worth, outyielding all other varieties fourfold, with ordinary culture.—JACOB SENN, Cheswold, Del.

BUCKWHEAT,

Common or American.—Yields an average of from 20 to 30 bushels per acre. Price \$1.25 per bushel.



NEW JAPANESE BUCKWHEAT.

MILLET.

(Prices subject to variation.)

Millets withstand droughts remarkably, generally remaining green when other vegetation is parched up, and being annuals of rapid growth, are valuable as “stolen” crops, as they can be sown and put in condition for hay in six weeks’ time, and can be sown after early crops have been taken off, and should be cut green. For hay, sow broadcast half to one bushel per acre, from May 1st to August 1st. For grain, sow in drills one peck to the acre, and not later than June 20th.



HUNGARIAN MILLET.

German or Golden Millet.—*Panicum Miliaceum. var. Aureum.*

An improved variety, medium early, growing three to five feet high. No other grass anywhere near approaches its enormous yield when grown under favorable circumstances. Our seed is pure and southern grown and yields much heavier crops than degenerate northern and western grown seed. Price \$2.00 per bushel of 48 lbs.; \$4.00 per 100 lbs.

Hungarian Millet or Hungarian Grass. *Panicum Germanicum.* Furnishes an abundance of green fodder, often yielding two or three tons of hay per acre. It is very popular and valuable with those who are clearing timber lands. (See cut.) \$1.75 per bushel of 48 lbs. \$3.50 per 100 lbs.

Pearl Millet.—It grows with a tropical luxuriance in strong, loamy soil, and can either be fed in a green state, or be cured as hay; horses and cattle eat it greedily in either condition, and it is as nutritious as corn fodder. Sow in drills, 5 to 6 pounds per acre; if broadcast 8 pounds per acre. Weight per bushel, 56 pounds. Price of clean seed, 20c. per lb.; by mail, 30c. per lb.; \$14.00 per 100 lbs.

SCARLET CLOVER.

This valuable Clover is perfectly hardy south of Washington, and will also stand the winter as far north as New York, if sown in a favorable spot, and the winter be not too severe. Sown in July or August, it will yield a heavy crop the early following spring. Its value for plowing under in spring is unestimable. Price, 18c. per lb.; 10 lbs., 16c. per lb.; 100 lbs., 15c. per lb.

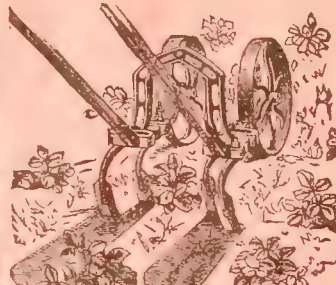
Planet Jr. Hoeing and Cultivating Tools for Hand Power.



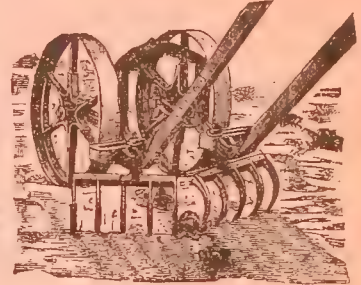
Planet Jr. Double Wheel Hoe. Hoeing Peas on one side each of two rows.



Planet Jr. Double Wheel Hoe. Hoeing Onions on both sides of one row.



Planet Jr. Double Wheel Hoe. Cultivating Strawberries.



Planet Jr. Double Wheel Hoe. Cultivating Lettuce with the Rakes.

"Planet Jr." Double Wheel Hoe, Cultivator Rake and Plow Combined. SHOWING THE RANGE OF WORK IT PERFORMS.

For Hand Power.

Especially adapted to save labor in large gardens. The changes from one form to another are easily and quickly made also changes in depth or width. The tool is light and strong, can be used by man or boy, and in much of the most tedious and particular work it does as much as six to ten men with the common hoe. You can hoe or plow to or from, cultivate, rake, etc., deep or shallow, safely when plants are just coming through the ground, and until they are fifteen inches high, and all the time both sides at once or between the rows, at the speed of a moderate walk. The **Rakes** level and fine the ground for planting, gather stones and trash, cultivate plants when small, cover seeds, etc. The **Hoes** cut close and clean, killing everything they meet, leaving the ground level. The **Cultivator** teeth mellow the soil deep or shallow, and are useful for marking out rows for plants, seeds, sets, etc. The **Plows** lay out deep furrows and cover them and hill-up or plow away, as desired. The **Leaf Guards** in front are just the thing needed when hoeing large plants such as Beets, Carrots, Parsnips, Beans and Peas, enabling you to cultivate them perfectly, when otherwise the leaves would be torn off and the plants seriously injured. They are detachable. (Weight packed, 35 lbs.) **P. H. & Co.'s Low Net Price, \$6.75.** (Mfrs. Price, \$8.00.)



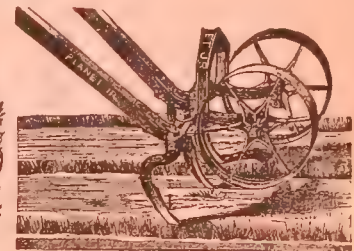
P. H. & Co.'s Low Net Price, \$6.75.
(Mfrs. Price, \$8.00.)

"Planet Jr." Plain Double Wheel Hoe.

For Onion Growers and others who want a Hoe only, we offer the Double Wheel Hoe supplied only with one pair of long, curved point hoes. (Weight, packed, 24 lbs.) **P. H. & Co.'s Low Net Price, \$4.00.** (Mfrs. Price, \$4.50.)



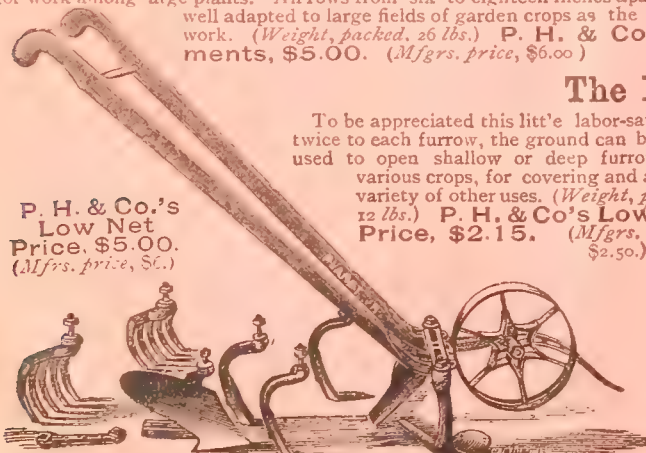
Planet Jr. Double Wheel Hoe. Earthing up Celery.



Planet Jr. Double Wheel Hoe. Cultivating Onions.

The "Planet Jr." Single Wheel Hoe, Cultivator, Rake and Plow Combined.

Great strength, easy running, simple combinations and variety of attachments are striking features of this favorite for the season of 1893. The wheel has an extra broad face, and is readily raised and lowered, and can be attached at one side of the frame ready to cultivate both sides of a row of small plants at one passage. As with the Double Wheel Hoe, the **Rakes** level the ground, cultivate, etc.; the curved **Hoes** work closely deep or shallow while the **Plow** opens furrows, covers and plows to and from as desired; the **Cultivator** blades, work admirably, especially in deep work, and also mark out rows of garden crops, while the **Leaf Guard** is invaluable for work among large plants. All rows from six to eighteen inches apart can be perfectly hoed at one passage, and this tool, though not so well adapted to large fields of garden crops as the Double Wheel Hoe, is still a favorite with many for that class of work. (Weight, packed, 26 lbs.) **P. H. & Co.'s Low Net Price, complete with all attachments, \$5.00.** (Mfrs. price, \$6.00)

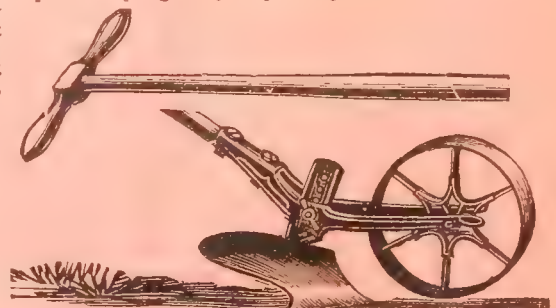


P. H. & Co.'s Low Net Price, \$5.00.
(Mfrs. price, \$6.00.)

The "Planet Jr." Single Wheel Hoe Complete.

The Fire-Fly Hand Plow.

To be appreciated this little labor-saver must be seen in actual work. It cost is soon saved. By going twice to each furrow, the ground can be plowed up in the Spring ready for planting. Then the tool can be used to open shallow or deep furrows for various crops, for covering and a great variety of other uses. (Weight, packed, 12 lbs.) **P. H. & Co.'s Low Net Price, \$2.15.** (Mfrs. price, \$2.50.)



Fire-Fly Hand Plow.

THE CELEBRATED PLANET JR. ALL STEEL HORSE HOE, No. 6,

Showing its wide range of adjustments and combinations as adapted to all kinds of Garden and Field work, such as Cultivating, Hoeing, Hilling, Furrowing, Covering, Marking, etc., etc.

As set for
furrowing.

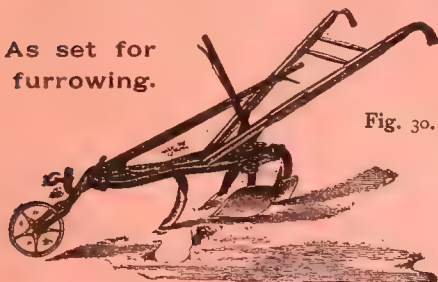


Fig. 30.

As a plain
cultivator.

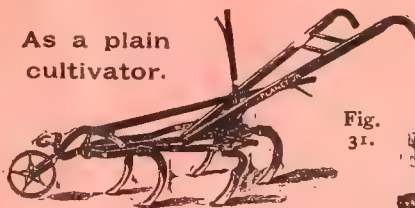


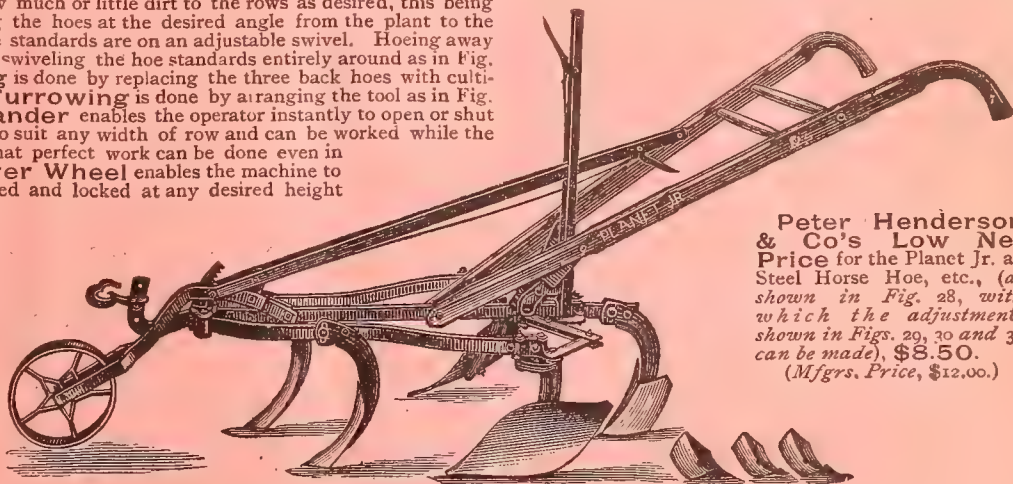
Fig. 31.

Reversed
for
hoeing.



Fig. 29.

This grand implement is without a peer as a labor saver and no progressive gardener or farmer can afford to be without it, and after once trying it would not do without it for ten times its cost. It is no ordinary, heavy, clumsy cultivator but an implement made scientifically correct and *entirely of steel*, the standards being hollow, giving great strength and remarkably light weight; in consequence it is easy for both man and horse to work. The cultivator teeth, hoes, etc., are of the finest possible quality of case hardened, polished steel that will retain an edge; they always scour bright and will not clog in the stickiest soil: besides they are so correctly shaped and curved that the operator can work closer up to plants without danger than with any other horse implement made, thereby entirely doing away with the usual finishing up with a hand hoe. As set in Fig. 28 the two forward cultivator teeth loosen the soil to any desired depth; the hoes follow cutting off weeds below the surface and throw much or little dirt to the rows as desired, this being quickly arranged by setting the hoes at the desired angle from the plant to the centre of the row as the hoe standards are on an adjustable swivel. Hoeing away from small plants is done by swiveling the hoe standards entirely around as in Fig. 29. Plain cultivating is done by replacing the three back hoes with cultivator teeth as in Fig. 31. Furrowing is done by arranging the tool as in Fig. 30. The Lever Expander enables the operator instantly to open or shut the implement and lock it to suit any width of row and can be worked while the implement is in motion so that perfect work can be done even in irregular rows. The Lever Wheel enables the machine to be instantly raised or lowered and locked at any desired height while the implement is in motion and is very convenient for changing the depth in variable soils, and for raising the teeth out for turning at the end of the rows. The Handles can be quickly set to either side and the height can be changed to suit the operator. For Shipment it "knocks down," reducing freight; weight, 65 lbs.



(Fig. 28.)

Peter Henderson
& Co's Low Net
Price for the Planet Jr. all
Steel Horse Hoe, etc., (as
shown in Fig. 28, with
which the adjustments
shown in Figs. 29, 30 and 31
can be made), \$8.50.
(Mfrs. Price, \$12.00.)

EXTRA ATTACHMENTS

For the Planet Jr. all Steel Horse Hoe, etc.

In addition to the variety of work that this machine will do, as stated in the above description and illustrated in Figs. 28, 29, 30 and 31. We have the below Extras:

Roller. (Fig. 35.) Valuable in covering corn, potatoes, etc. Price, \$1.50.

Rake. A cheaper device for covering, much better in sticky land. Price, \$1.00.

Furrowing Steels. Three sizes, viz. 10-inch (no wings.) \$1.00; 15-inch. (no wings.) \$1.50; and 20-inch with wings, which are adjustable from nearly perpendicular to nearly horizontal, or can be removed altogether. (See fig. 41) \$2.00

Ridging Steels. (Fig. 42.) Used for plowing away and making up beds. They have adjustable wings which can be set to make a low ridge or a high one, wide or narrow Price, \$1.35 each.

Marking Attachment. (Fig. 41.) New pattern. Makes a wide, clean mark. Price, \$2.00.

Vine Lifter. (Fig. 46.) Useful in sweet potatoes tobacco, beans, peas, or any crop that needs working beneath the leaves or branches, or for crops that have fallen. Price, \$1.50.

Nine-Tooth Attachment. (Fig. 44.) Two extra side bars with two teeth each. This makes the regular Horse Hoe into a complete Nine-Tooth Machine which leaves the ground in the finest possible condition and no furrows. Price, including depth regulators, \$5.00.

Depth Regulators. Useful for shallow work. Fit on rear Horse Hoe Standard. (See fig. 44.) Price, 50c.

Sweeps. (Fig. 37.) For flat cultivation in orange groves, cotton, peanuts, beans, garden vegetables, strawberry, quack-grass, allies, etc. Made in four sizes. Price, each, 8-inch, 35c. 10-inch, 40c.; 12-inch, 45c.; 15-inch, 50c.

Lever-Runner Attachment. (Figs. 35, 41 and 42.) Very useful in covering and fine work and for all work where it is desirable to straddle the row. Width can be varied from 6 to 24 inches, and the height of the tools can be worked to any depth. Price, \$2.00

Fur-
rower
and
marker

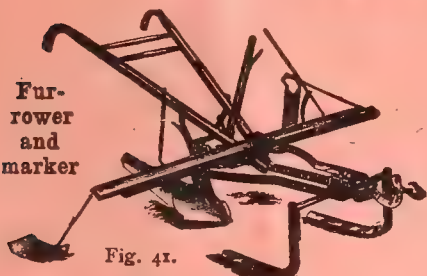


Fig. 41.

Vine lifter.

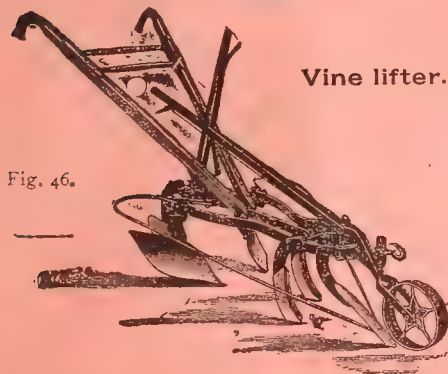


Fig. 46.

Fur-
rower
and
ridger

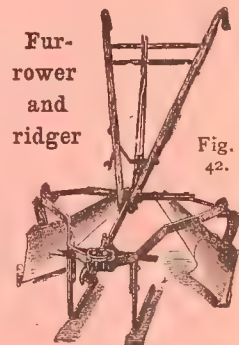


Fig. 42.

As used
for
covering.



Fig. 35.

As a 9
tooth
cultivator.

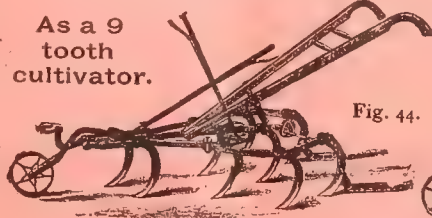
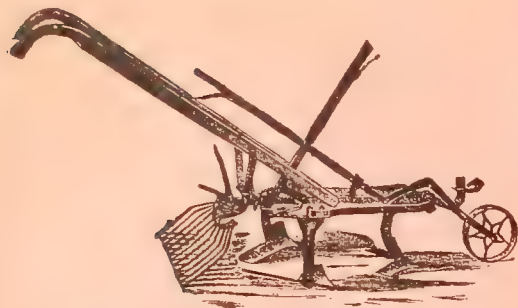


Fig. 44.

With
sweeps.



Fig. 37.



Planet Jr. Market Gardeners Horse Hoe and Pulverizer.

An admirable tool for very fine close level culture of market garden and field crops. A 12-inch sweep, two hoes cutting 10 inches each, and a 25-inch pulverizer. At a single passage it works a row from 18 to 32 inches. The Lever Expander changes the width even while the machine is in operation. The hoes may be exchanged from one side to the other, and the Pulverizer may be reduced for narrow rows.

The Lever Wheel is easily and quickly adjusted even while at work, to give any depth required.

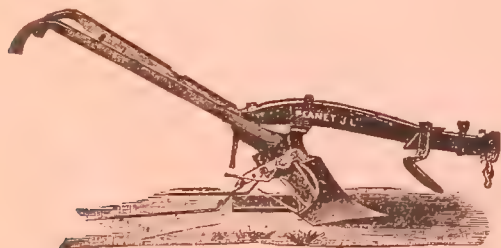
It is precisely what is wanted for the work of the Market Garden. The flat sweeps and slender hoes pass easily beneath the surface, cutting off all weeds and grass, and leaving the ground almost exactly where it was before, and the Pulverizer then reduces the surface to the finest condition, and completely destroys all weed growth. **P. H. & Co.'s Low Net Price, Complete, \$8.50.** (Mfgs. Price, \$12.00.) Weight, Packed, 55 lbs.



Planet Jr. Twelve Tooth Harrow, Cultivator and Pulverizer.

For fine cultivation, either deep or shallow, this tool has no equal. The recurved throat and high frame prevent clogging, and the reverse position given to the teeth in a short time by the changing of a single bolt in each. It is provided with the new '91 Lever Wheel, used to regulate the depth with exactness, and also Pulverizer, which leaves the ground in the finest condition. The Pulverizer is controlled by a lever, which can be operated in an instant by the foot while in motion. The pulverizer may be reduced in width by taking off the outside teeth, and the tool may be used to straddle a row, cultivating both sides at once.

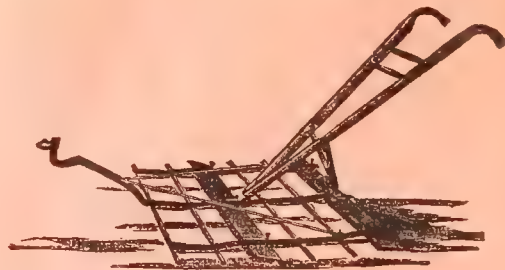
As a Harrow, the work done is most perfect, and with the teeth turned backward it is admirable for trashy ground and levelling, and for crops just breaking through the surface. Weight, Packed, 60 lbs. **P. H. & Co's Low Net Price, Complete, \$8.50.** (Mfgs. Price, \$12.00.)



White or Irish Potato Digger.

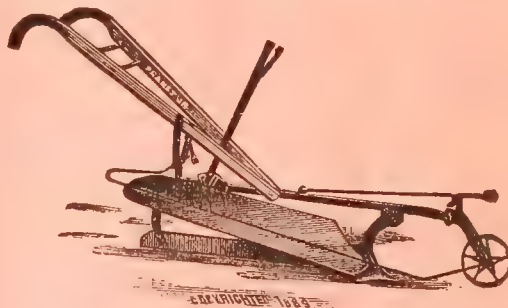
We make white potato diggers in two styles, single and double moldboard. The single moldboard has the standard, share and landslide of the ordinary plow, a short steel prong moldboard and a digging fork with four laterally extended tines. A vine turner is used when tops are still green or ground weedy.

The double digger splits the row, and in dead vines or on side hills it is sometimes preferable. It works on exactly the same principle as the single. **P. H. & Co's Low Net Price for either Single or Double Mold Digger, \$15.00.** (Mfgs. Price, \$18.00.)



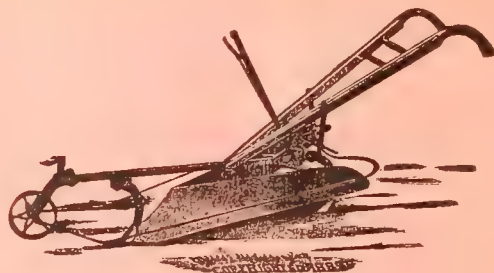
Planet Jr. All Steel Pulverizer and Leveler.

This Novelty has high merit. Its width is 4 feet 6 inches, it can be regulated to cut deep or shallow as required, and is a very perfect tool for all such work as fining and leveling the surface before using the marker, seed drill, etc., etc., and for levelling and smoothing ridges in place of the hand rake. Its action is better than either harrow, rake or roller. It breaks, cuts, rolls and crushes lumps and takes the tops of the high places and carries them forward to fill up the hollows. The usual slow surface preparation of the Market Garden will be rapidly done in the neatest manner. Weight, Packed, 75 lbs. **P. H. & Co's Low Net Price, \$8.50.** (Mfgs. Price, \$11.00.)



Planet Jr. Single Celery Hiller.

Absolutely indispensable to celery growers, this SINGLE machine works but one side at a time, and throws harder and higher than the double described below, and is adapted to all width rows, from two feet to ten. It also has the leaf lifter and patent lever expander. It is more satisfactory for the last and highest hilling, and large growers need both. The single machine is also often used where the rows are so close together that there is not enough earth to complete hilling up both rows at once. The single hiller is then used to hill very high every other row, taking away most of the earth from the alternate rows. Then when the blanched row is marketed it is again used to hill up the remaining row. It is also used to bank up the celery when storing in trenches for winter. **P. H. & Co's Low Net Price \$8.00.** (Mfgs. Price, \$10.00.)



Planet Jr. Double Celery Hiller.

The DOUBLE machine hills all rows from the first to the last time, when not planted over four and one half feet apart. The first hilling the detachable leaf guards are invaluable, enabling the operator to throw up the earth beneath all the leaves, so close as to make the first "handling" very easy. Slotted knees at the rear make the vertical adjustment, while the patent lever expander is a simple and delightful method of adjustment to width. **P. H. & Co's Low Net Price, \$9.50.** (Mfgs. Price, \$12.00.)

Sweet Potato Digger.

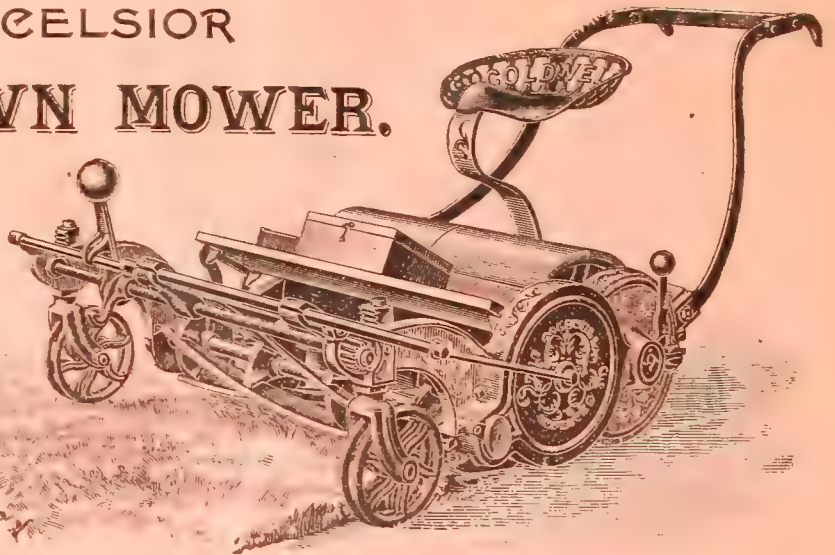
Adjustable for digging in different soils and all width rows, and in both hills and drills. It cuts the vines on both sides of the rows and plows out the potatoes. **P. H. & Co's Low Net Price, \$18.00.** (Mfgs. Price, \$20.00.)

NEW EXCELSIOR HORSE LAWN MOWER.

We guarantee this to be the best and most perfect Horse Lawn mower manufactured. It is used exclusively by the Government, and on the largest public and private lawns in the country. They are furnished with shafts, seat and side draft attachment, which keeps the horse on the cut grass only. Every Mower warranted to give complete satisfaction.

Low Prices. (*Strictly net.*) No charge for packing or cartage. 30-inch cut, \$60.00; 35-inch, \$75; 40-inch, \$90.00.

We can supply a small size (25-inch cut,) for very hilly lawns and lawns full of trees and shrubs. It has no seat; the horse is hitched to a single-tree attached to the Mower. Our net price \$37.50; or, with shafts and side draft, \$45.00.

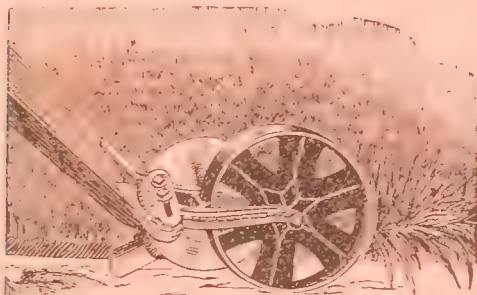


Everding's Lawn Edger.



A splendid tool for trimming the turf around the edges of walks and flower beds; a revolving knife enables the work to be done with rapidity. **Price, \$2.50.**

The "Planet Jr." Lawn and Turf Edger.

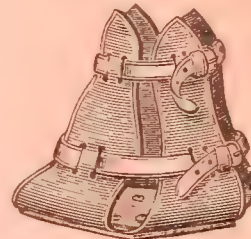


THE "PLANET JR." LAWN AND TURF EDGER.

This little tool trims the turf around the edges of the flower beds, walks, roads, etc.; the revolving cutter does perfect work, either on a straight or curved border, edging accurately at just the correct angle, and at the speed of a mile an hour, while the hoe cleans the bottom of the walk. It is invaluable in giving a finished appearance to the lawn.

Price, extra heavy, 30 lbs., . . . \$5.00
" light, 20 " . . . 3.50

HORSE BOOTS.



HORSE BOOT.

To prevent horse from sinking in damp or soft ground. \$9.00 per set of four.

The "Gem" Hand Lawn Sweeper.

LOW NET PRICES.

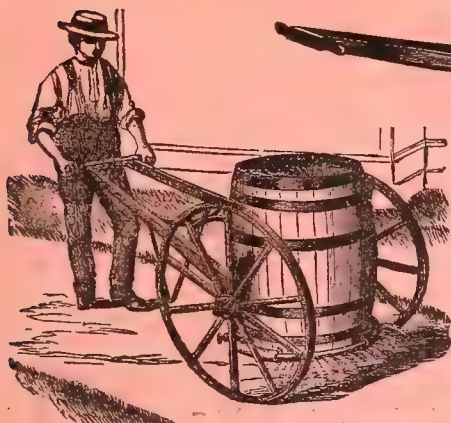
WEIGHS.

18 in. 30 lbs., \$ 8.00
24 " 34 lbs., 10.00
30 " 38 lbs., 12 00

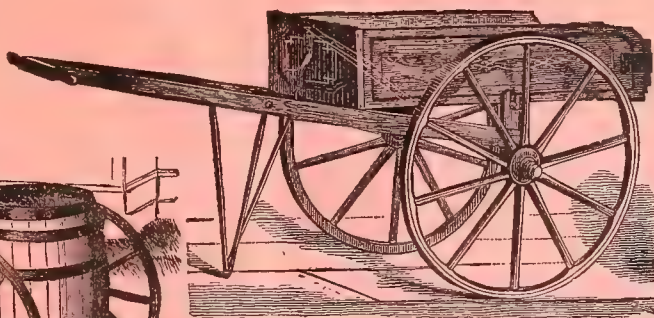


The "Gem" Hand Lawn Sweeper, will thoroughly clean a lawn of all loose and dead grass, leaves, twigs, and even small stones and dirt. It works rapidly, easily, and does its work thoroughly. A revolving brush and rapidly revolving fan are the principles of its operation. By raising or lowering the handles the brush is raised or lowered so it will sweep down to the roots or pass over the surface as desired. It works equally well on long or short grass. Every machine guaranteed to give satisfaction. For shipment they "knock down" and fit closely.

HENDERSON'S WATER BARREL, TRUCK, ETC.



With Sprinkler Attachment.



With Hand-Cart Box.



With Force Pump Attachment.

trunnions being furnished, if desired, which can be readily attached to any barrel, thus increasing the value of the Truck. We have wheels of 1½, 2½ and 4 inch tire, but always send Truck with wheels 1½ inch tire unless otherwise specified. We also supply as extra attachments the following: A Box with trunnions and spring catch, making a very superior dumping Hand-cart. The Sprinkler is invaluable for watering lawns and sprinkling walks. Water is turned on and off by hand wheel and ball valve. The Force Pump can be used for washing windows and carriages, spraying trees, watering plants and hot-beds. It is all brass, works very easily, and throws a stream 40 feet, and is well adapted for spraying trees and shrubbery with insecticides. A leaf rack, very useful for removing leaves and lifter. (Knocks down for shipment.)

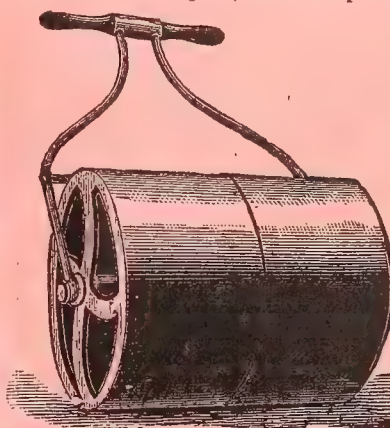
PRICES.

Truck and Barrel, 1½ in. tire.....	\$11 00	Extra Barrel with trunnions on.....	\$2 75	Leaf Rack.....	\$4 00
" " 2½ ".....	12 00	Extra Trunnions, per pair.....	50	Sprinkler Attachment	3 00
" " 4 ".....	13 00	Hand-cart Box.....	3 00	Force Pump Attachment.....	6 00

IRON LAWN ROLLER, Hand Power.

Detachable weights attached to the central shaft; always keep the handle up and clean.

SIZE AND PRICES.	Width of Roller.	Height of Roller.	Weight, about	Net Prices
No. A. 2 Section.	15 inch.	15 inch.	125 lbs.....	\$6 00
" C. 1 "	20 "	20 "	220 ".....	10 00
" D. 2 "	24 "	20 "	300 ".....	13 00
" E. 3 "	36 "	20 "	450 ".....	18 00
" G. 2 "	24 "	24 "	400 ".....	16 00
" I. 2 "	24 "	28 "	500 ".....	18 00



Iron Garden and Lawn Roller.

IRON LAWN ROLLER.

Horse Power.



Horse Lawn Roller.

With shafts and seat. 4 sections each 20 inches high by 12 inches wide, making roller 4 feet wide weighing about 650 lbs. The weight can be increased by loading. Net price, \$33.00.

RUBBER HOSE.

Henderson's "Best Para" is made entirely from New Para Rubber, and will outlast cheap hose three times over it is really the cheapest in the end. Standard or Good Quality is a grade that is sold by many people as "the best"; we only offer it because some people want cheap hose. Rubber hose is sold in uniform lengths of either 25 or 50 feet, and when purchased in these "uniform" lengths we furnish couplings on free. (Our "Best Para" is fitted with the new water tight "Wedge Coupling.")

PRICES.	"Best Para" Hose.		"Standard" Hose.	
	Internal Diameter.	Price per 25 ft. length.	Price per 50 ft. length.	Price per 25 ft. length.
¾ inch.	\$4.00	\$7.50	\$3.00	\$5.75
1 inch.	5.50	10.50	3.75	7.00

BENT LEG HOSE CARRIAGE.

This is the best wooden reel made—not easily tipped over. Can be rolled from place to place. By using a reel the hose is always drained, thus preventing it from rotting.

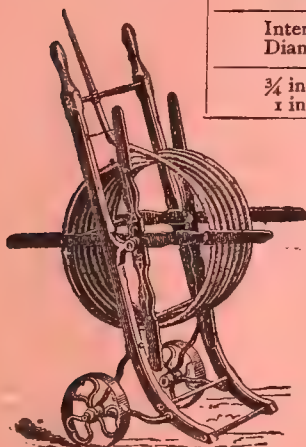
PRICES.

No. A for 100 ft., \$2.00. No. B, for 200 ft., \$2.50.

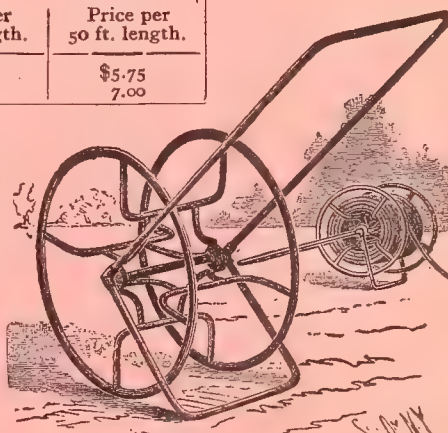
"ALL IRON" HOSE REEL.

Is constructed entirely of wrought iron pipe and malleable iron and is therefore indestructible. It is light in weight, perfectly frictionless and the wheels being high make it easily manipulated; a good strong, handsome and convenient reel.

PRICES.	No. 10, for 100 ft. ¾ in. hose,	\$3.00
	No. 20, " 1 ½ " " "	3.50
	No. 30, " 500 " " "	6.00



Bent Leg Hose Carriage.

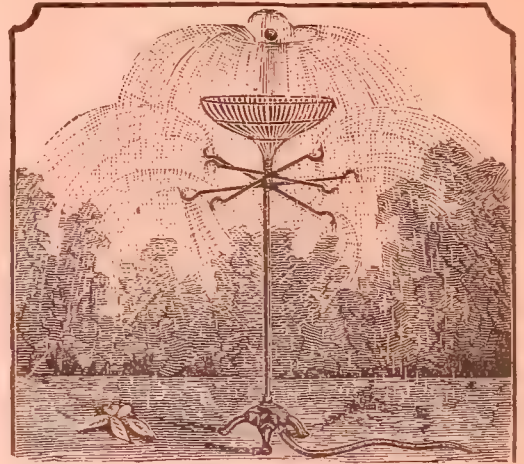


"All Iron" Hose Reel.

HENDERSON'S LAWN SPRINKLER.



HENDERSON'S LAWN SPRINKLER.



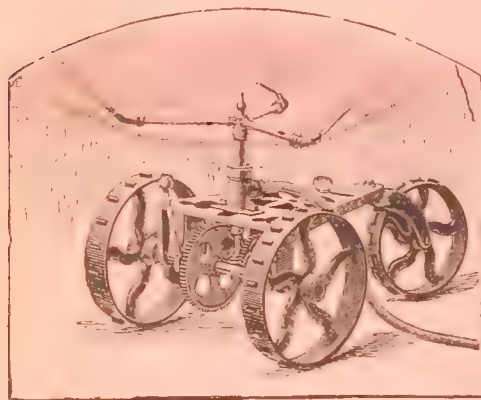
SPRINKLER WITH BALL AND BASKET

This is the best lawn sprinkler made. It can be attached to hose and placed anywhere on the lawn, where it serves the double purpose of a beautiful fountain, and of thoroughly saturating the grass or garden. The water is distributed in fine drops over an area 60 to 100 feet in circumference, according to the pressure on the water. An ornamental standard, about 4 feet high, is surmounted with long perforated arms, which revolve, so the beautiful sprays are constantly changing. **Prices:** for a 4-arm sprinkler, \$3.00; for an 8-arm, \$3.75.

Ball and Basket. This fits on top of the Henderson Sprinkler, and the stream of water keeps the silvered ball dancing on its summit up in the air. When the ball falls the basket catches it, and it rolls into the centre and is again raised by the water. Price, \$2.75 extra.

Travelling Lawn Sprinkler.

This Travelling Lawn Sprinkler, under an ordinary pressure of water it will roll itself slowly and steadily in any direction, either in a straight line or in a circle of any diameter desired. It can be set to travel anywhere from 15 to 500 feet per hour, as preferred. Can be changed from the lowest to the highest speed in a moment. It can be gauged to throw the water over a swath anywhere from 5 to 50 feet in width. It can be used as a stationary sprinkler by throwing it out of gear. With a pressure of water as low as 20 pounds it will drag 75 feet of hose, while with a pressure of 60 to 70 pounds, it will carry 200 pounds extra weight and drag as many feet of hose.



TRAVELLING LAWN SPRINKLER.

It is as indispensable to any well-kept lawn as water, as it reduces the application of that much-needed element to a pleasure. It works to perfection—in fact doing the work more thoroughly and in less time than a person could do it—needs less attention—set the machine and there you are. The Travelling Sprinkler, even when stationary, is superior to all others; and its ability to move itself over the lawn makes it of the greatest utility. **Price, \$15.00**

"Combination" Lawn Sprinkler.

This Lawn Sprinkler will revolve or not, as desired, by simply turning the arms into different positions.

A great variety of combinations of water display can be made, and for irrigating purposes it is most convenient.

No. 1 Position of Arms. Plays a spray and does not revolve, distance of spreading the water governed by the pressure. It will play from every point of its circumference, the same distance as a spray hose nozzle.

No. 2 Position of Arms. It will revolve and throw the water equal in distance to any 4-arm Lawn Sprinkler and distribute the water much more evenly.

No. 3 Position of Arms. Revolves at its greatest speed and makes a very pretty water display.

It can be used with Spray Jet on top instead of Solid Ball-Top, or with Ball and Basket Jet. Size, 28 inches high. Diameter of Revolving Jet, 4½ inches. It is strong and durable, the arms are finished castings, not tubing.

Price, complete with Stand, \$4.00.



"COMBINATION" LAWN SPRINKLER.

THE "WATER WITCH" LAWN SPRINKLER.

(With or without Stand.)

An effective device for sprinkling Lawns, Gardens or Flower Beds. The water flows with unimpeded force, and is divided and deflected by the two lips of the swivel piece which it causes to revolve rapidly, scattering the water in fine drops and evenly over a circular area of twenty-five to forty feet diameter. **Price, without stand** (i.e., with spur to stick in the ground,) 75c. each; by mail, 85c. each.

Price, with Stand, (See cut.) \$1.25 each.



The "Water Witch," Lawn Sprinkler.

THE "ARC" LAWN SPRINKLER.

This is a most radical novelty, having all the advantages of the ordinary lawn sprinkler, but is the only one with which a lawn can be sprinkled to a distance of thirty feet or more, on one side of the sprinkler, and only twenty to thirty inches on the other side. Its value is readily seen when desiring to sprinkle a lawn thoroughly without throwing water upon the sidewalk to the detriment of passers by; it can instantly be changed so as to sprinkle in a full circle, in a half circle to the right or to the left. It is very simple, cannot get out of order, handsomely plated.

(See cut.) Price, \$1.75 each, or by mail, \$1.90.

THE "PERFECTION" LAWN SPRINKLER.

Distributes in a fine spray a small quantity of water over a large surface, covering an area forty feet in diameter with an ordinary pressure of water. This area may be reduced to any desired size by turning off the supply. (See cut.)

Price, each, 75c.; by mail, 85c.

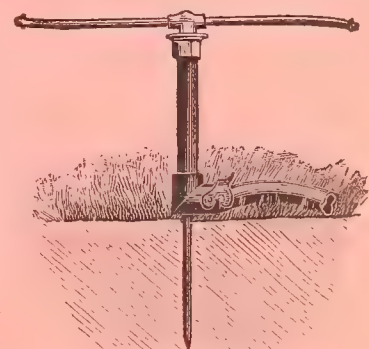


The "Perfection" Lawn Sprinkler.

THE POMONA Revolving "4-Arm" Lawn Sprinkler.

A splendid 4-arm Lawn Sprinkler, for small areas. It stands about 18 inches high; handsomely finished red stand, with nickel plated arms. It is very simple and durable, throwing a beautiful and fine spray even under a low pressure. (See cut.)

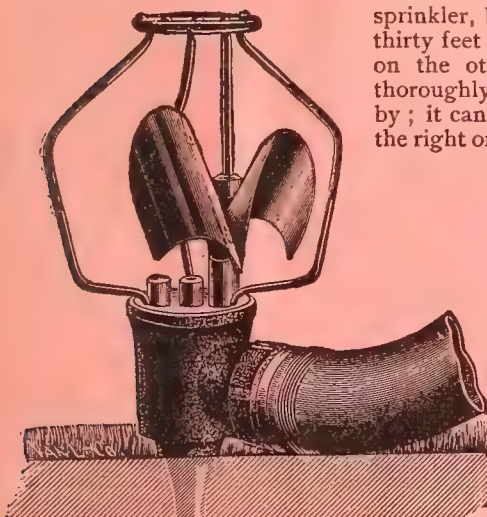
**Price, \$2.50.
each.**



The "Pomona" 2-arm Lawn Sprinkler.

THE POMONA Revolving "2-Arm" Lawn Sprinkler.

With spur to stick in the ground. (See cut.)
Price, \$1.75 each.



The "Arc" Lawn Sprinkler.



The Pomona "4-arm" Lawn Sprinkler.

LAWN RAKES.

CHAMPION WHEEL LAWN RAKE.



Champion Wheel Lawn Rake.

The latest, most perfect and lightest Wheel Lawn Rake. The handle being reversible, gives the rake the very desirable feature of being both a grass and leaf rake. The pointed teeth being adapted to grass and the back of rake reversed on handle, forming a perfect set of bowed teeth principally adapted to raking leaves in the fall of the year. The wheel adds to the ease of working the rake, and also spares the sod, because there can be no clog to the rake whatever. This rake is 25½ inches long and has 28 teeth. Price, \$1.00 each.

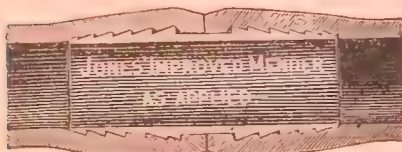
Wooden Automatic Self-Cleaning Lawn Rake.

Will clear itself from grass. It is light and easily handled. A backward motion of the Rake from the operator will clean all the teeth at once, thus avoiding the disagreeable task of cleaning the teeth with the fingers. The teeth are made of the best of hickory. The Rake is elegantly finished in oil and varnish. 22 teeth, 75c; 26 teeth, 85c.



Self-Cleaning Lawn Rake.

JONES' HOSE MENDER.



The "Jones" Hose Mender, a smooth joint of the hose and gives a firmer hold. The size of bore being exact size of internal diameter in the hose no obstruction occurs.

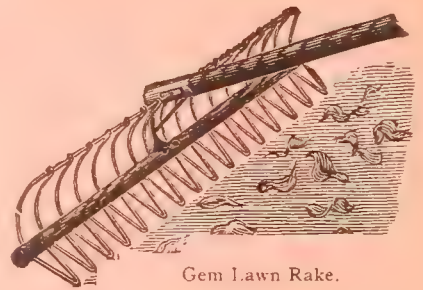
PRICES.

½ in.,	5c. each,	50c. doz.,	or by mail,	6c. each,	60c. doz.
¾ "	6c. "	60c. "	"	7c. "	75c. "
1 "	10c. "	\$1.00 "	"	12c. "	\$1.25 "

This has many advantages over all other Hose Menders. Will stand more pressure; more quickly applied; no tools or bands required. Hose is brought together. The recess in centre makes

THE "GEM" LAWN RAKE.

A perfect tool for cleaning lawns. The guard prevents the rubbish from falling over back, and the teeth will not catch in the ground; and as the rake rides over the lawn instead of being held up, the work can be done with ease and rapidity. Made of spring steel. Price, 50c. each.



Gem Lawn Rake.

COMMON WOOD LAWN RAKE.

3 bow, selected wood, 22 teeth. Price, 40c. each; \$4.00 per doz.

"STAR" SELF-CLEANING LAWN RAKE.



"Star" Self-Cleaning Lawn Rake.

Steel head. No wood except the handle. The cleaning bar keeps the teeth free from leaves and grass and the eyes on the end teeth prevent the other teeth from digging in the ground or tearing the sod. When the rake is drawn forward the cleaning bar is forced up the teeth to the head, and when the rake is raised the bar drops and its weight cleans the teeth, and they do their work perfectly. The heads are 23¼ inches long and contain 28 teeth, made of No. 8 stiff coppered wire. Price, 75c. each.

MISCELLANEOUS LAWN TOOLS.

Grass Edging or Border Shears. For trimming the overhanging grass around the edges of walks, etc. Price, with 9 inch blade, \$2.50, or with wheels, \$3.00.

Lawn Shears. For cutting grass under shrubs, fences, etc. Price, with 2 wheels, 9 inch blades, \$2.75.

Weed Cutter. A chisel-blade, with foot-rest, so it can be pressed, cutting off roots of weeds without marring the lawn. Price, 50c.

Scythe Stones and Rifles. Best quality, Round Ohio, 10c. each; Flat Ohio, 5c.; Imported German, very fine grit, 10c. Rifles, 3 triple emery coated, 10c.

Grass or Turf Edging Knives. For trimming the borders of walks, etc. Price, complete with handle, 50c. each.

Lawn Scythes. Broad blades. Sizes, 32, 34, 36 and 38 inch. Price, each, \$1.00.

Scythe Snaths or Handles. With patent fastening. Price, each, 80c.

"Curved Handle" Grass or Sheep Shears. Extra long, 9½ inch blade. The handles are curved to prevent rubbing the knuckles on the ground. Price, \$1.00.

Grass Hooks (Sickles.) Extra quality steel that will hold an edge. Price, 50c. each.



Grass Edging Knife.



Lawn Shears.



Grass Edging Shears.



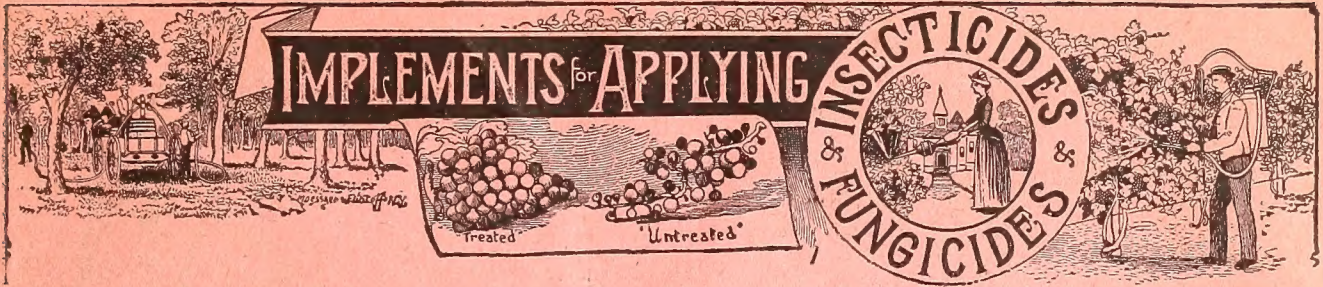
Weed Cutter.



Grass Hook.



Grass Shears.



Woodason's Vaporizing Bellows. FOR LIQUIDS.

This throws spray as fine as mist, rendering the use of strong solutions of kerosene, fir tree oil, tobacco, soap and poisonous fluids, perfectly safe on tender foliage plants, killing the insects without burning the leaves; it also forces the fluid into every crevice, without using half the quantity required by syringe or sprinkler. (See cut.) **Price,** Large size, **\$2.00;** small size for house use, **\$1.25.**



WOODASON'S DOUBLE CONE POWDER BELLOWS.

Woodason's "Double Cone" Bellows. For Blowing Powders.

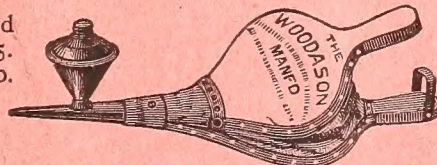
This bellows is the best article ever invented for destroying insects in the conservatory, garden, orchard or field; it will kill every bug upon one acre of potatoes, *under the leaves* as well as on top, in an hour; it will blow powder into fruit trees. This bellows can be held in any direction without wasting powder, as it regulates its own supply, and it does not clog up. **Price, \$2.75.**

Woodason's Bellows are durably made for actual use, only best leather being put in and they will outwear a dozen of the cheap bellows where split leather is used.—
P. H. & Co.

Woodason's "Single Cone" Bellows.

PRICE.

Large Size for garden and greenhouse work, **\$1.75.**
Small Size for house use, **1.00.**



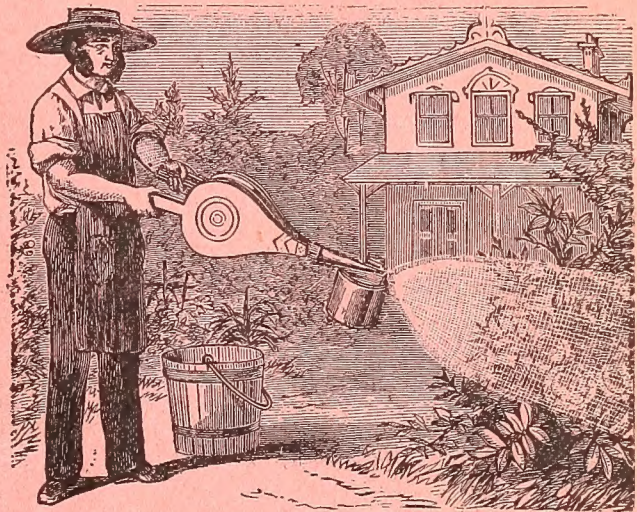
Woodason's "Single Cone" Bellows.

POWDER GUN.

Where Persian powder and insect powders are used in small quantities, as on pot plants, etc., this is just what is wanted. A slight pressure on the bottom ejects and distributes the powder evenly over a considerable surface. **Price, 2 oz. size, 15c. Postage 5c each extra.**



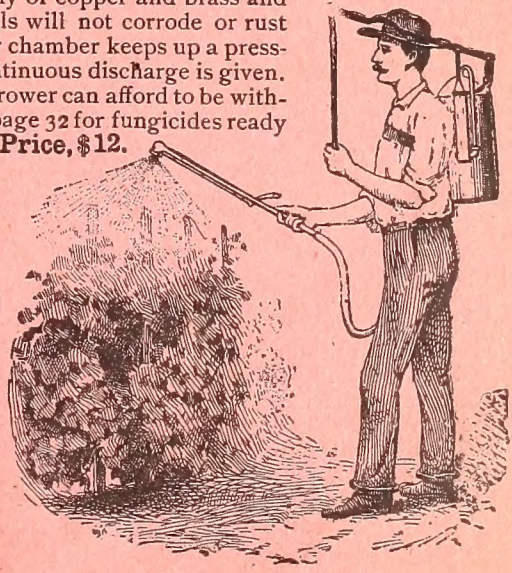
POWDER GUN.



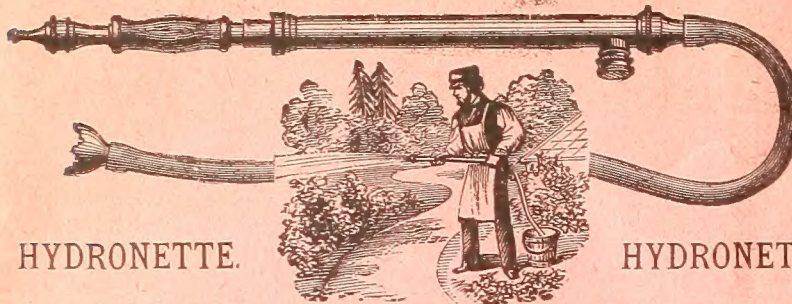
WOODASON'S VAPORIZING BELLOWS.

The Improved Knapsack Sprayer.

This valuable arrangement, invented by the U. S. Agricultural Department, is used for applying fungicides, such as Bordeaux Mixture, Ammoniacal Compound of Copper and other fluid remedies in a mist-like spray, for the treatment of grapes and other vegetation, for the prevention and cure of mildew, black rot and kindred diseases, as well as for leaf and potato blight, etc. The machine is made entirely of copper and brass and the chemicals will not corrode or rust it. The air chamber keeps up a pressure so a continuous discharge is given. No grape grower can afford to be without it. See page 32 for fungicides ready for mixing. **Price, \$12.**



KNAPSACK SPRAYER.



HYDRONETTE.

HYDRONETTE.

A very neat, compact and portable Hand Force Pump. Being made of brass it is durable and does not rust, it can be used easily and effectively by a lady or child. It throws a strong stream forty feet or more, while with the sprinkler attached it spreads the water in a gentle shower or spray. For washing windows or carriages and showering lawns, gardens, etc., it has no superior. It is particularly adapted for throwing liquid solutions of all kinds on plants and trees to destroy noxious insects. (See cut.) Price, with 3 ft. Hose, Nozzle and Sprinkler, complete \$5.00.

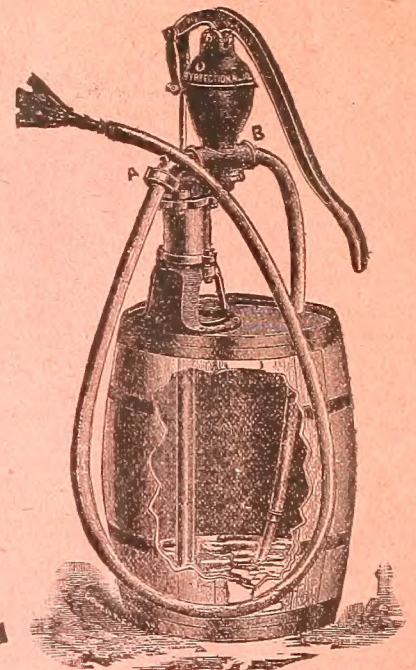
HENDERSON'S PORTABLE HAND FORCE PUMP.

This is the best and most durable portable hand pump in the market. Made of solid brass, very light and easily carried, and works from any bucket or tub. Throws a stream 30 ft., or a spray 20 ft., just the thing for throwing liquid insecticides on low trees, shrubs, plants, etc., besides being useful for sprinkling walks, gardens, washing windows, etc.

Price, \$5.00



Henderson's Portable Hand Force Pump.



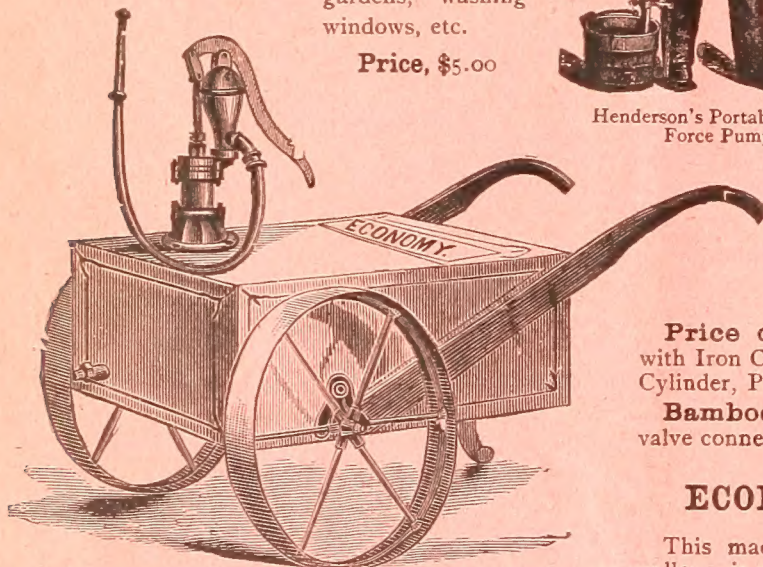
"Perfection" Spraying Outfit.

"PERFECTION" SPRAYING OUTFIT.

It keeps the liquid stirred up in the barrel. One hundred trees per hour can be sprayed with this. This pump is fitted with ten feet of discharge hose and a graduating Spray Nozzle. At the aperture "B" is attached three feet of return hose, so that, at every stroke of the pump a small part of the liquid is re-discharged into the tank near bottom of suction pipe, which keeps the poison and water well mixed. There is also a tight cap furnished, to close up opening "B" when desired. The pump has three inch cylinders, and is furnished with iron suction pipe with a fine strainer at bottom, ready to mount on a barrel. Weight, 55 lbs.

Price of outfit, complete (not including barrel), with Iron Cylinder, Plunger and Rod, \$9.00; with Brass Cylinder, Plunger and Rod, \$10.00.

Bamboo Extension Rod. 8 feet long, with ball valve connection and stop cock, \$6.00.



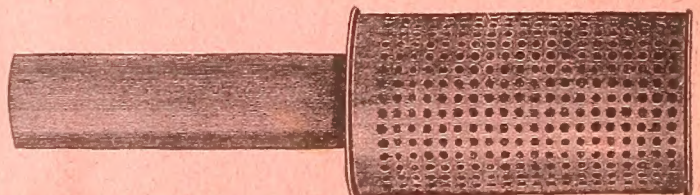
Economy Garden Engine

moved about by hand to spray small orchards, or, mounted in a wagon, it can be used for large orchards. Price, including three feet Discharge Hose and Nozzle, \$18.00. With return hose for keeping liquid stirred in the tank, \$20.00.

"EUREKA TORCH,"

INSECT EXTERMINATOR.

Every person having Fruit or other trees—should have one of these simple but wonderfully effectual "Torches." It is made of perforated tin, which contains asbestos wool, a material that will not burn but absorbs kerosene or other inflammable oils, which ignited will burn for an hour; this torch can be placed on a pole of any length so that nests of caterpillars or other insects in any part of the tree can be got at. Price free by mail, 75c

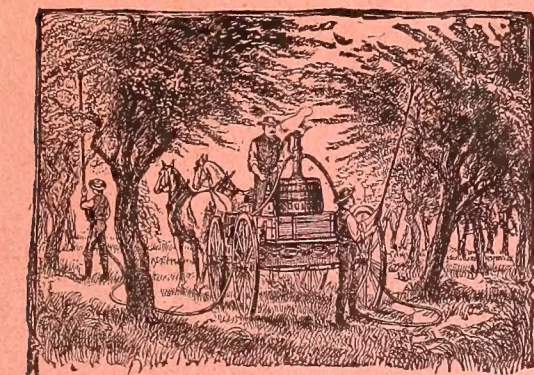


"Eureka Torch," Insect Exterminator.

OUR NEW 86-PAGE BOOK.

Injurious Insects and Plant Diseases.

WITH REMEDIES.



Gives the latest methods of destroying insects on all kinds of garden and greenhouse plants, trees, vines, etc., and also the most recent methods of Preventing and curing mildew, rot and other fungus diseases to which grapes, potatoes and other plants are subject.

It describes and illustrates the latest and best instruments for applying insecticides and fungicides.

This book will save you many dollars' worth this season. Send for it. Mailed for 25c.

NORTON'S PLANT DUSTER.



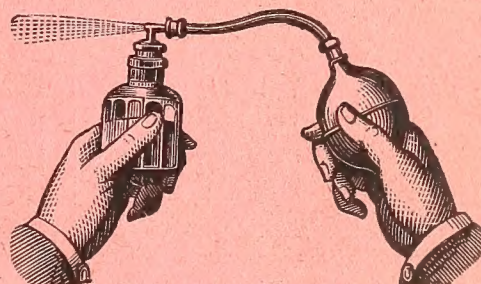
NORTON'S PLANT DUSTER.

This is one of the best articles for dusting plants of potatoes, vines, corn, etc., with powder insecticides such as Slugshot, Paris Green, diluted with flour or other adulterant, etc., a slight jolting movement causes the dust to be thrown out and distributed in a fine cloud. It is made scientifically correct with a cylinder air-chamber projecting inside and above the powder, so that it never clogs but always distributes a regular quantity of powder. Another point of merit is the projecting dust guard which prevents the powder from escaping beyond the plant being treated, and confines it directly to the leaves and stalks. The bottom of this duster is conical and finely perforated. **Price, \$1.00 each.**

Florence Vaporizer.

A very useful article for spraying strong fluids, such as solutions of Fir Tree Oil, Cole's Insect Destroyer, etc., on house and garden plants.

Price, 60c. each or by mail, 75c.



FLORENCE VAPORIZER.

THE "STOTT" INSECTICIDE DISTRIBUTOR.

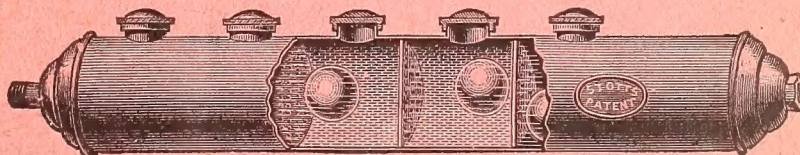
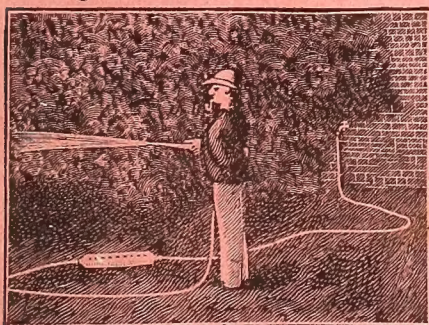
Automatically Mixes and Evenly Distributes Insecticides.

It is an oblong cylinder machine made of copper, divided by perforated divisions into cells, into which insecticides or manure are inserted. At each end of the machine hose is attached, one end connecting with the water tap or garden pump, and the other to an ordinary hose nozzle, the water being forced through and consequently impregnated with the compositions. Being continuous in action much time is saved, and on putting the composition in the celled divisions it is immediately ready for use. It can be used also with a Force Pump or Garden Engine.

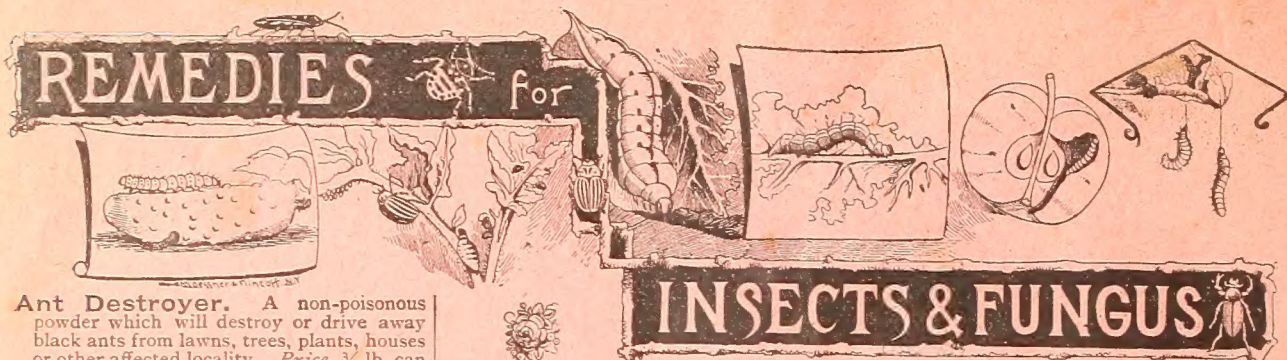
Prices, including filler and hose coupling—2 cells, \$9.00; 3 cells, \$10.00; 5 cells, \$12.00.

The insecticide best adapted for being applied in the Stott Distributor is Killmright, a non-poisonous soap—safe and effectual, for all kinds of insects.

Price, 2-lb. cans, 50c. or by mail 80c.; 5-lb. cans, \$1.20; 10-lb cans, \$2.25; 20-lb. cans, \$4.00.



"STOTT'S" INSECTICIDE DISTRIBUTOR.



Ant Destroyer. A non-poisonous powder which will destroy or drive away black ants from lawns, trees, plants, houses or other affected locality. Price, $\frac{3}{4}$ lb. can 50c. or by mail, 60c.

Dust liberally near haunts.

Carbolic Soap. For freeing animals from insects and washing the bark of trees and plants for scale, lice, etc. Price, 4 oz. pkg., 10c., or by mail, 14c.

Dissolve 2 oz. to a gallon of water and apply with brush, sponge or spray.

Carbolized Soap. For peach, apple and other tree borers, also for washing trees to prevent attacks of animals or vermin. 1 gallon can (makes 12 gallons paint) \$1.00 per can.

Cole's Liquid Insecticide. A combination of alcohol and other chemicals, for mealy bug, red spider, scale and aphids; we use it extensively in our greenhouses; it needs no further preparation and is one of the most convenient and effectual for ladies to use on house plants. Price, $\frac{1}{2}$ pint tin, 50c.; by mail, 65c.

Apply, undiluted, with a Vaporizer.

Fir Tree Oil. The most popular and probably for "all 'round" purposes the best insecticide in the market for greenhouse and house plants; it frees plants of nearly all insects to which they are subject, and for the following it has no superior: Mealy bug Scale, Red Spider, Aphids, (black and green,) Thrip, Blight, Worms and Slugs, and is also a valuable remedy for animal parasites and insects. Price, $\frac{1}{2}$ pint tin, 40c.; pint, 75c.; qt., \$1.40; $\frac{1}{2}$ gal., \$2.50; gal., \$4.25; if by mail, add 25c. per pint.

Dilute $\frac{1}{2}$ pint to about 10 gallons of soft or rain water, (for tender plants or young growth make weaker.) Spray on with vaporizer, syringe or bellows.

Hellebore, Powdered White. For the destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green and London Purple and safer to use when fruits or vegetables are nearly ripe. Price, 25c. per lb.; or by mail 40c.

Dry Application. Dust on dry, or mix 1 lb. with 4 lbs. of powdered lime or flour, dust on with powder duster or bellows or gun.

In Solution. Dissolve 1 oz. to 3 gallons of water, apply with syringe, pump or vaporizer.

Kerosene Emulsion. For plant lice of any kind, cabbage worm, scale insects on apple, pear, orange, lemon and other trees. 5 gallon buckets, (make 75 gallons wash,) \$1.25 per bucket.

London Purple. Very poisonous and equally as efficacious as Paris Green and more soluble in water. Price, 25c. lb., 10 lb. lots and over at 20c. per lb. If by mail, add 15c. per lb. for postage.

Use in the same as Paris Green.

Paris Green. A poisonous, insoluble powder, indispensable on the farm or garden—for preventing the ravages of potato bugs, codlin moth, worms, caterpillars, slugs and bugs. Price, 25c. per lb.; 10 lbs. and over at 23c. per lb. If by mail, add 15c. per lb. for postage.

Dry Application. Mix with plaster, flour or other dilutant—1 part to 100—apply with duster, bellows or gun.

In Solution. Mix 1 lb. to 200 or 300 gallons of water. Apply with pump, syringe or vaporizer.

Bait. For cut worms, mix 1 oz. with 8 ozs. of syrup; mix thoroughly with fresh chopped grass or leaves.

Persian Powder or Buhach. Henderson's Superior Grade.

Cheap adulterated grades are worthless. A most effective non-poisonous inpalpable powder—so fine that it penetrates the innermost crevices—for worms, flies, aphids and almost all kinds of insects—it is very effectual—suffocating them by filling up their breathing pores. Price, 40c.; 10 lb. and over at 35c. lb. If by mail, add 15c. per lb. for postage.

Dry. Blow on with a bellows or gun.

Solution. Dissolve 1 oz. to 3 gallons of water; apply with syringe or pump.

Quassaine. This is a Concentrated Fluid Extract Quassia, held in suspension by Whale Oil Soap—adopted and officially recommended by the State Horticultural Board of Washington, as a cheap and reliable non-poisonous insecticide for hop lice, aphids and all scale insects; nothing better for rose bushes and house plants. Quart cans, (50 gallons wash,) \$1.00 per can; 1 gallon cans, (100 gallon wash,) \$1.50 per can; 2 gallon cans (200 gallons wash,) \$2.50 per can.

Slug shot. A non-poisonous powder and a very popular insecticide—it requires no further mixing or preparation—easily applied and not injurious or dangerous to animals, the person applying it or fruits and vegetables treated. Very effectual in destroying potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. (By express or freight only.) Price, per barrel of 235 lbs. net, \$8.00; in 10 lb. packages, each 45c; 5 lb. packages, 25c; in tin cannister with perforated top for applying, 25c. each; by mail, 35c.

Apply with duster, bellows or gun. 10 to 40 lbs. is sufficient for an acre.

suffering with kindred diseases. Price, 20 lb. pkg., \$1.00. By express or freight only. Dissolve 10 lbs. to 25 gallons of water, and apply with Knapsack sprayer or vaporizer.

Grape Dust, (Hammond's). A non-poisonous powder for the remedy and control of mildew and rot on grapes, gooseberries, roses, etc. Price, 5 lb. pkg., 35c.; 100 lb. keg, \$5.00. By express or freight only.

Apply with bellows or powder gun.

Sulphur, Flowers of. For the prevention and destruction of mildew on roses and other plants. Price, 10c. per lb.; 10

Thrip Juice. A concentrated extract arseniated, destructive for mealy bug, scale thrips, bark lice, codlin moth, canker worm elm leaf worm, beetles, caterpillars, thrips, etc. Price, $\frac{1}{2}$ pint can, 30c.; 1 pint 50c.; 1 qt., 75c.; 1 gal., \$2.00; 5 gal. keg, \$7.00.

Mix $\frac{1}{2}$ pint to 25 gallons of water and spray on with syringe, vaporizer or pump.

Tobacco Dust, Fine. For green and black aphids, fleas, beetles, etc. Splendid fertilizer and preventative for insects in the ground and around root. Price, 10c. per lb.; 5 lb., 35c.; 10 lbs., 65c.; \$3.00 per barrel; per ton, \$25.00; if by mail add 15c. per lb. for postage.

For insects on plants, apply with powder duster or bellows.

For worms or grubs in the soil, apply liberally to the surface and rake in, or strew thickly in the drills before planting.

Tobacco Extract. A powerful extract of tobacco combined with sulphur for destroying plant lice, red spider, and insects of all kinds. Price, $\frac{1}{2}$ pt., 30c.; pt., 50c.; qt., 75c.; gal., \$2.00.

Dilute 1 part to 10 or more of water and apply with syringe, vaporizer or pump.

For insects at the root, dilute as above, and apply with watering-pot sufficient to reach the roots.

Tobacco Stems. Indispensable for fumigating greenhouses and conservatories—for the destruction of green and black aphids and other insects. Price, 50 lb. bale, \$1.00; 100 lbs., \$1.75; per ton, \$20.00.

Dampen thoroughly a few hours before using, place about a half pound over a handful of shavings in a fumigator, and light.

Tobacco Soap. Effective for green and black aphids, turnip fleas, slugs, bark lice, etc. Price, 35c. per lb.; or by mail 50c.

Dissolve 2 oz. in a gallon of water and apply with pump, syringe or vaporizer.

Whale Oil Soap. Makes an excellent wash for trees and plants where insects and eggs effect the bark, and for smearing on the trunks of trees to prevent worms from crawling up. Price, 15c. per lb.; 2 lbs., 25c.; 5 lbs., 50c.; 25 lb. and over, at 8c. per lb.; if by mail, add 15c. per lb. for postage.

For insects on plants, dissolve $\frac{1}{4}$ lb. to a gallon of water, apply with syringe or spraying pump.

For bark insects, etc., dilute with water to consistency of thick paint, and apply with brush.

REMEDIES FOR FUNGUS, SUCH AS MILDEW, RUST, BLACK ROT, ETC.

Ammoniacal Solution of Carbonate of Copper Concentrated. A famous remedy for fungoid diseases of plants, particularly for grapes, curing downy and powdery mildew, black rot, scab, etc. Price, 1 gallon cans, \$1.50. By express or freight only.

Dilute 1 pint to 10 or 12 gallons of water, apply with Knapsack sprayer or Bellows vaporizer.

Bordeaux Mixture. A valuable and indispensable fungicide for grape growers—thereby insuring larger crops and finer grapes, and preventing failure. A sure cure and preventative for black rot, mildew and rust, also of great value for other plants

suffering with kindred diseases. Price, 20 lb. pkg., \$1.00. By express or freight only.

Dissolve 10 lbs. to 25 gallons of water, and apply with Knapsack sprayer or vaporizer.

Grape Dust, (Hammond's). A non-poisonous powder for the remedy and control of mildew and rot on grapes, gooseberries, roses, etc. Price, 5 lb. pkg., 35c.; 100 lb. keg, \$5.00. By express or freight only.

Apply with bellows or powder gun.

Sulphur, Flowers of. For the prevention and destruction of mildew on roses and other plants. Price, 10c. per lb.; 10

lb., 60c.; 25 lb. and over, at 5c. per lb.; if by mail add 15c. per lb. for postage.

Apply with bellows or gun.

Sulpho-Steatite Powder. For lettuce mildew, powdery and downy mildew of the grape, rose mildew and other fungus diseases affecting plants under glass. Used as a dust. 25 pound boxes \$2.00.

Henderson's Mildew Mixture. A fluid prepared by ourselves and largely used in our green houses and nurseries for cure and prevention of mildew on plants. Price, 1 pint tin, 50c.; or by mail, 75c.

Dilute 1 pint to 10 gallons of water, and spray on with syringe or bellows vaporizer.